

CAPABILITY STATEMENT



TCD

VALUE THROUGH
EXPERIENCE



ONE COMPANY MULTIPLE SPECIALTIES

YOUR CONSTRUCTION PARTNER

Our dedicated team deliver multi-disciplinary construction projects across Western Australia. With a successful track record of over 35 years, we're one of the most trusted and specialist contractors for major projects in Western Australia and beyond.

With experience across the private, public and mining sectors, we bring a wealth of construction and mining knowledge and are determined to deliver successful projects that are value and quality led.

MULTI – DISCIPLINARY

We have the capability, motivation, experience and resources to meet all requirements in a wide variety of industries.

EARTHWORKS

Providing engineering solutions with quality equipment and trained personnel, we supply all aspects of earthworks projects for our clients.

PIPELINE CONSTRUCTION

With over 35 years of pipeline installation experience we have installed all types from HDPE to MSCL.

THE CULVERT EXPERTS

We are the leading culvert installation experts in Western Australia.

TUNNEL CONSTRUCTION

We are an experienced and the preferred installer of multiplate tunnels in the Pilbara region.

WATER MANAGEMENT

Together with our partners we are a formidable supplier and installer of water management solutions throughout Western Australia.

UNDERGROUND SERVICES

From high pressure gas mains to water reticulation, we are capable of installing any underground services you require.

PUMP STATIONS

We're the installation and repair specialists of wastewater pump stations throughout Western Australia.

OVER 35 YEARS OF EXPERTISE

- 1985 TCD was established
- 1995 First main roads project, completing all drainage work on Servetus St Project
- 1999 Cox Bay Vacuum Sewer and Pump Station
- 2003 Port Coogee Extraction Drain
- 2004 Bridgewater Pump Station - our first
- 2008 Brockman 4 Phase 1 CSP Culverts - our first Pilbara project
- 2009 Fiona Stanley Hospital. Installation of the largest underground storage tanks in the Southern Hemisphere, and all major services
- 2016 Trinity Tunnel - our first multiplate tunnel construction
- 2018 First Head contract project - with a major Pilbara miner
- 2020 First head contract for structural, mechanical and piping
- 2021 Awarded our first Master Services Agreement for Water Infrastructure



OUR APPROACH

PUSH TO GET THINGS DONE

We are reliable and hardworking with a passion to succeed

LONG-TERM SOLUTIONS

Because pipes should last decades, not years

PROBLEM SOLVING

Our knowledge and willingness means we adapt to change, challenge views and create new ideas

ATTENTION TO DETAIL

We have a structured and disciplined approach to all tasks

HOW WE WORK

THE TCD WAY

We don't work the same way as the others, that's why we can deliver more. Our experienced staff are constantly developing their knowledge and adopting the latest in technical advances and new methods. This allows us to continuously improve our operations so you get better project delivery.

With a diverse fleet and expert team, we offer a broad range of services, specialist knowledge, and experience. We collaborate with you and partner with the best providers to help make the best decisions to save time, money and make your lives easier.

HOW THIS BENEFITS YOU

OPEN COMMUNICATION

Regular project updates and quality information leading to reduced on-site time.

FASTER RESPONSE TIME

Ability to identify issues and rectify them sooner.

INCREASED VALUE

Years of experience that enables us to generate astute solutions and insights.

IN PRACTICE

For example, when installing culverts we ensure we have data on the number of meters laid, backfilled and installed.



OUR SYSTEMS

WE ALWAYS STRIVE FOR CONTINUOUS IMPROVEMENT IN EVERYTHING WE DO.

Quality, safety and sustainability are key to our business, which is why we are proud to have received Triple Certification in Health & Safety, Environment and Quality in 2011.

QUALITY

Quality is a cornerstone of our business. Our Integrated Management System (IMS) is certified to ISO 9001 Quality Standards. TCD strive daily to provide industry best practice and are driven towards continual improvement so as to advance its activities to better satisfy the requirements of our Clients and Stakeholders.

SAFETY

Safety is at the forefront of everything we do and is one of our core values. This works from the top down, with our management team consulting employees regularly to identify areas for improvement. Every employee is actively encouraged to contribute to the health and safety of their workplace, as well as looking after their own safety and the safety of their colleagues.

ENVIRONMENT

We are committed to the protection of the environment. This works at a site level with our processes and procedures, and at a senior level with our goal of having a '0% net effect on the environment by 2026'. We are well on the way to achieving this through methods such as our hybrid excavators that save fuel, the halving of waste oil generation in all plant, buying back products made from our waste oil and our participation in recycling programs.

CIVIL PROJECTS



\$614K

CLIENT
CITY OF KARRATHA

START DATE
APRIL 2019

LOCATION
KARRATHA, WA

END DATE
MAY 2019

VILLAGE ROAD BOX CULVERT UPGRADE

Designing and developing new methods is something that really motivates us at TCD. This is exactly what we did when we were engaged by the City of Karratha to refurbish Bridge 1585 on Village Road, in the Burrup Peninsula.

The works involved sleeving the existing concrete box culvert sections with higher rated, smaller dimensional units, grouting of the annulus, reinstatement of the wing walls, repairs to the apron slabs and minor earthworks to upstream and downstream aprons.

Where a straightforward approach could have done the job, our civil and workshop employees saw an opportunity to create a more efficient process by developing a jacking and sliding system to assist with the installation of the box culverts.



\$14.0M

CLIENT
FORTESCUE METALS GROUP

START DATE
APRIL 2021

LOCATION
CLOUDBREAK, WA

END DATE
SEPTEMBER 2021

FAR WEST HUB PROJECT - DETAILED EARTHWORKS, TUNNEL & CULVERTS

FMG were developing the Cloudbreak Mine Site and were replacing long haulage routes with low-cost, modular and relocatable conveyor systems, this included installing a new relocatable conveyor, a relocatable crushing plant, powerline, switch rooms and tunnels.

The civil component of the contract involved completing all detailed earthworks for the CVO10 RLC, which was 10.4km in length, inclusive of sheeting to final RL levels. As well as the complete detailed earthworks for Hopper 010 primary crushing pad foundation, construction pads and foundation works for Hopper 10's discharge conveyor. Also included in the scope was all other temporary miscellaneous civils and earthworks.

The contract also had the supply and installation of one LV / HV overpass tunnel, as well as the supply and installation of 10 banks of corrugated steel culverts



\$4.0M

CLIENT
FORTESCUE METALS GROUP

START DATE
AUGUST 2021

LOCATION
SOLOMON, WA

END DATE
DECEMBER 2021

CASTLE ROAD CONSTRUCTION

FMG Solomon Mine Site required the construction of a new 5.3km all-weather access road, Castle Road, from its permanent mine site camp to the central facilities office and workshop area.

The works involved the installation of multiple groups of corrugated steel pipes to light vehicle roads, the construction of light vehicle roads and the construction of drainage channels.

The construction of Castle Road consisted of clear and grub of topsoil material, cut and backfill material road embankments and the installation of a 200mm wearing course / pavement, surface grading, installation of light vehicle windrow delineators and reinstalling existing road signage along the entire length of the road.



\$1.7M

CLIENT
WATER CORPORATION

START DATE
MAY 2022

LOCATION
CORAL BAY, WA

END DATE
OCTOBER 2022

CORAL BAY WWTP TWW EVAPORATION POND 2

The Coral Bay WWTP required upgrades to increase its disposal capacity due to a recent boost in tourism to the area and for future growth planning.

The scope of works included the construction of a new 200 x 80m Evaporation Pond 2 with BGM liner, access ramp and interconnecting box culverts, a new concrete spillway in Evaporation Pond 1 for emergency overflow, a new access ramp into the Emergency Infiltration Area, sand clean-out of Evaporation Pond 1 north east corner and repair of its GCL liner, construction of a new gravel hardstand as a Geobag Laydown area with PVC pipework to allow to control seepage back into the existing Facultative and/or Maturation Ponds and the widening and upgrade of the existing gravel access roads and turning areas at the facility.

WATER PROJECTS



\$1.4M

CLIENT
PERRON DEVELOPMENTS

START DATE
JULY 2017

LOCATION
BALDIVIS, WA

END DATE
NOVEMBER 2017

BALDIVIS NORTH TYPE 10 WWPS & PRESSURE MAIN

When TCD won the contract for the preliminary site works and installation of a Type 10 Pump Station in Baldivis, it called for a truly multi-disciplinary approach.

The scope of works involved clearing of the pressure main pipe routes, all excavations and associated earthworks, installation of the Type 10 wastewater pumping station, thirteen overflow storage tanks, associated access chamber inlet gravity sewer pipeline and site works, supply, delivery and installation of all pipes, valves, fittings and pits, backfilling and compaction of excavated trenches, pipelines pressure testing and disinfection, restoration work at inter-connections with existing water mains, and the restoration of the site and disposal of surplus excavated material.

TCD completed the works successfully to a high standard, on time and to budget.

\$690K

CLIENT
NEWCREST MINING

START DATE
MAY 2018

LOCATION
TELFER, WA

END DATE
OCTOBER 2018

TELFER CAMP WATER MAIN UPGRADE

Newcrest Mining engaged TCD for the upgrade of the Potable Water Main at the Telfer Mine accommodation village.

TCD were required to locate all existing services within the accommodation village, design of the new potable water main and also the supply and installation of the new water main. TCD were required to survey set-out, safely excavate in close proximity to existing buried services, install 1.3km of DN160 PE pipework and associated valves and then tie in to existing supply lines to buildings. TCD then backfilled, compacted and tested the trenching to its original state and were required to test and commission the works to Newcrest standards and specifications.

The project had its challenges, as the client required minimal disruptions to the operation of the village.

\$17.0M

CLIENT
FORTESCUE METALS GROUP

START DATE
JULY 2021

LOCATION
PILBARA, WA

END DATE
JULY 2023

WATER INFRASTRUCTURE PANEL

After successfully completing a number of projects for FMG, TCD were pleased to be awarded the FMG Water Infrastructure Contract for a term of 2 years at the Christmas Creek, Cloudbreak, Solomon and Eliwana Mine Sites.

The Water Infrastructure contract consists of installing water abstraction, bulk water transfer and water injection infrastructure and also water storage. Works include bulk HDPE pipelines from DN110 to DN630, installation of abstraction bores, installation of injection bore fields, construction of turkey nests, standpipes and connections, installation of pump stations, commissioning of all works, inclusive of testing the electrical and pipe works.

TCD continue to complete the work packages to a high standard, much to the satisfaction of a valued client.

CLIENT
ALBEMARLE

START DATE
NOVEMBER 2020

LOCATION
KEMERTON, WA

END DATE
MAY 2021

FIRE WATER PIPING

TCD were engaged by Albemarle at the Kemerton Lithium Plant that is owned 60% by Albemarle through the MARBL Lithium Joint Venture for the supply, fabrication, installation and testing of piping, valves and ancillary associated items at their newly established plant site.

The scope of works included the supply and installation of buried DN75 - DN315 HDPE and above ground carbon steel pipe network, approx. 2.2km of trenching and backfill for buried pipework, installation of 79 fire hydrants, installation of 26 indicator posts onto existing fire water gate valves, installation of ancillary items such as concrete supports, thrust blocks, bollards, gate valves, pipe marking tape and labelling and the hydrostatic pressure testing and service testing of the newly installed pipe network.

SMP PROJECTS



\$850K

CLIENT
FORTESCUE METALS GROUP

START DATE
AUGUST 2019

LOCATION
CHRISTMAS CREEK, WA

END DATE
NOVEMBER 2019

OPF1 FLINDERS S12 TAILS SPIGOT INSTALLATION

FMG needed to divert the Flinders BWT tails line with a new tails spigot to deposit tailings into the S12 pit. It was an important project designed to defer the costs to implement additional tailings capacity for OPF1 and extend the life of the Flinders In-pit TSF. TCD were pleased to be able to complete these works for FMG.

Scope of works included the supply and delivery of valve access sleepers, associated earthworks for the tails line corridor, access tracks and pads, construction of the spigot support structure, supply and install of 600m of DN500 PN6.3, construction and tie-ins into the discharge point and the S12 spigot line, installation of electrical equipment and instrumentation and commissioning and testing of the HDPE and steel pipeline



\$19.0M

CLIENT
FORTESCUE METALS GROUP

START DATE
NOVEMBER 2020

LOCATION
SOLOMON, WA

END DATE
AUGUST 2021

QUEENS CONVEYOR & TUNNELS

TCD were engaged by FMG to complete works for its new overland conveyor, transfer station and remote crushing hub at its Solomon Mine Site.

The scope of works included the establishment, management and rehabilitation of borrow pits, bulk earthworks for portions of the overland conveyor (OLC) embankment, the head-end drive station pad and skybridge abutments, detailed earthworks including sheeting for the entire length of the OLC and its maintenance track and the primary crushing pad, excavations for footings and construction of crane pads, installation of culverts and associated scour protection, cutting, forming and trimming drainage channels, design and construction of two tunnels, concrete works for the tunnel footings and other miscellaneous design and construct works.



\$500K

CLIENT
HYDRA STORM

START DATE
JANUARY 2022

LOCATION
KWINANA, WA

END DATE
MARCH 2022

WAREHOUSE CONSTRUCTION

TCD were engaged by Hydra Storm and D&M Waste Management to design and construct a 1000m² facility to house their new HDPE recycling and pipe fabrication plant.

The project included the detailed earthworks, formwork, fixing and pouring of concrete footings and slab, erection of 12m high steel structure, steel cladding and electrical fit out

The facility will be used to convert end of life HDPE pipe that would otherwise be discarded, into HDPE corrugated stormwater pipes. Corrugated HDPE is a lightweight, durable and sustainable option as opposed to traditional stormwater pipes that don't crack, don't require heavy lifting machinery and don't have curing time



CLIENT
ALBEMARLE

START DATE
JANUARY 2021

LOCATION
KEMERTON, WA

END DATE
ONGOING

MECHANICAL SUPPORT

TCD were engaged by Albemarle at the Kemerton Lithium Plant that is owned 60% by Albemarle through the MARBL Lithium Joint Venture for the completion of all scope gap and outstanding punch list works.

TCD have been instrumental in ensuring the handover of facilities to commissioning and operations team and in providing commissioning support.

CORRUGATED STEEL *SPECIALISTS*



\$600K

CLIENT
FORTESCUE METALS GROUP

START DATE
DECEMBER 2015

LOCATION
SOLOMON, WA

END DATE
JANUARY 2016

TRINITY DRIVE OVERPASS

FMG required the installation of a heavy vehicle overpass to allow for the segregation of light and heavy vehicles on the existing Trinity Drive Access Road at their Solomon Mine. TCD were engaged to install the multiplate corrugated steel tunnel.

The site's prior preparation of the concrete footings was pivotal in ensuring the first multiplate tunnel arches were installed in alignment. This then allowed for a smooth install process with the remaining panels installed with accuracy.

The tunnel itself was 81m in length, 7.2m high and 11.4m wide.

The high-risk works were completed on time and incident free with an experienced 12-man crew.

\$330K

CLIENT
NRW CIVIL & MINING

START DATE
MARCH 2019

LOCATION
SOUTH FLANK, WA

END DATE
APRIL 2019

MULTIPLATE CULVERT INSTALL

Whilst onsite completing the culvert installation package, BHP requested the installation of an additional DN2400 multiplate culvert on the Southern Haul Road of the South Flank Project.

The culvert was 165m long and TCD were required to place the riprap to headwall and culvert apron as part of the variation.

The project was completed on time and on budget with a staggering 10,000 bolts used on the culvert.

\$9.0M

CLIENT
NRW CIVIL & MINING

START DATE
OCTOBER 2019

LOCATION
GUDAI-DARRI, WA

END DATE
SEPTEMBER 2021

GUDAI-DARRI PLANT AND RAIL CULVERTS

Continuing our ongoing and successful relationship with NRW, we were awarded the drainage contract on Rio Tinto's Gudai-Darri Mine Plant site and rail formation "south" package, including the Gudai-Darri Mine Access Road.

The total package included the installation of 8.7km of Polymer Coated Corrugated Steel Drainage Pipe ranging in size from 600mm diameter up to 1800mm diameter, including a 50 barrel 1650mm diameter culvert structure which was completed in just 14 days.

\$7.2M

CLIENT
Q H & M BIRT & DOWNER

START DATE
MARCH 2020

LOCATION
ELIWANA, WA

END DATE
OCTOBER 2020

ELIWANA PLANT AND RAIL CULVERTS

TCD were engaged by Q H & M Birt and Downer to install the drainage package on FMG's Eliwana Mine Plant site and rail formation package, stretching from the RTIO main line crossing to Eliwana Mine.

The total package included the installation of 10.2km of Corrugated Steel Drainage Pipe ranging in size from 900mm diameter up to 3000mm diameter.

One location consisted of 13 barrels of 2400mm diameter corrugated steel pipes.

OTHER PROJECTS

\$1.4M

FORTESCUE METALS GROUP
FY19 SURFACE WATER MANAGEMENT4

Installation of culverts and drainage at Christmas Creek

\$4.6M

DOWNER EDI WORKS
FIONA STANLEY HOSPITAL

Underground services and drainage

\$3.2M

NRW CIVIL & MINING
RTIO HOPE DOWNS CAMP EXPANSION

Service installation (400 rooms)

\$1.2M

RCR WATER
TRUNK MAIN SERPENTINE PROJECT

5km DNI400 MSCL installation

\$5.0M

EASTERN GURUMA JV
RTIO WESTERN TURNER BROCKMAN

Culvert installation

\$1.7M

TABEC CONSULTING
EMERALD PARK PUMP STATION

Installation of drainage and underground services

\$2.1M

JANDAKOT HOLDINGS
TYPE 40 PUMP STATION

Supply and install sewer pump station

\$2.3M

BGC CONTRACTING
ROY HILL AERODROME

Installation of culverts and drainage

\$1.2M

LEIGHTON CONTRACTING
ROE HIGHWAY EXTENSION

Installation of drainage and underground services

\$4.0M

NRW CIVIL & MINING
FMG ELIWANA RAIL CULVERTS

Installation of culverts

\$1.9M

SERLING CONSULTING
BALDIVIS SOUTH

Installation of a Type 40 pump station

\$8.0M

WESTNET JV
BROOKFIELD RAIL PROJECT

CSP and box culvert installation

\$5.0M

FORTESCUE METALS GROUP
CLOUDBREAK WEST OVERLAND CONVEYOR

Detailed earthworks, supply and installation of culverts, construction of drains and LV Access Road

\$2.9M

FORTESCUE METALS GROUP
CHRISTMAS CREEK OPF2 VERTICAL WHIMS UPGRADE

Construction of roads, earthworks pads, drainage works and bulk excavation

\$6.0M

NRW CIVIL & MINING
BHP PORT HEDLAND INNER HARBOUR

Installation of drainage, culverts and underground services installation



OUR COMMUNITY

WE BELIEVE TCD HAS A SOCIAL RESPONSIBILITY THAT EXTENDS OUTSIDE OUR COMPANY INTO THE WIDER COMMUNITY.



PERTH WILDCATS

Since the commencement of the 2016/17 NBL Basketball Season, TCD have been proud to partner with the Perth Wildcats - an organisation with great history in Australian Sport and a positive community focus. Our support of the Wildcats ensures their continued involvement in local basketball, school visits and holiday programs.



RIDE TO CONQUER CANCER

TCD saw an opportunity to get some exercise, engage in a little friendly in-house competition and most importantly, raise some funds for the Harry Perkins Institute. With a commitment by employees, we arrived at the start line with 43 riders and a team fundraising total in excess of \$120,000.



CHARITY WATER

663 million people drink dirty water daily. This is why we are happy to get behind Charity Water who have to date funded 22,936 water projects around the world providing water to 7 million people. Private donors cover all of the operating costs of the charity so 100% of donated money goes to people in need.



KARRATHA KATS FOOTBALL CLUB

In a town like Karratha, a football club like the Karratha Kats brings people together and is an important part of the community. As part of this community, TCD sponsors the club to assist the purchasing of sporting equipment and give every local kid a chance to play footy.



CRUISING YACHT CLUB WA

This local Rockingham Yacht Club aims to make sailing accessible to everyone. Because of this they have a strong history of junior representation in national and state championships. We're proud to be able to have given some financial support and assistance to help the local Rockingham kids get involved in this great sport.



ROCKINGHAM RAMS FOOTBALL CLUB

For many years TCD has been involved with the Rockingham Rams Football Club, and in the last 5 years have been proud to be the Major Club Sponsor. The Rockingham Rams have a long history of sport within the Peel Region and through initiatives like the AFL Auskick Program, offer an opportunity for the local kids to get active in their own community.

STRENGTH IN NUMBERS

24/7



THE DATA

Real-time monitoring enabling streamlined delivery.

35+



YEARS IN OPERATION

Experience that results in greater efficiency.

150+



SIZE OF THE TEAM

Large enough to take on big projects, small enough to deliver quickly.



\$25K-\$25M

PROJECTS FROM \$25,000 TO \$25,000,000

Completed on time to high standards.

CALL 1300 899 238

SEE HOW WE CAN ADD VALUE TO YOUR NEXT PROJECT.



CONTACT

US

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EXPERIENCE