



SHAMROCK CIVIL ENGINEERING CAPABILITY STATEMENT



ABOUT US



Servicing
AUSTRALIA

OFFICES

Brisbane
Townsville
Melbourne
Adelaide
Rockhampton



120+
EMPLOYEES



100+ CIVIL
PLANT



26 YEARS IN
BUSINESS



CONTRACT
CIRCA >\$50M



AVERAGE
TURNOVER
\$100M

Shamrock Civil Engineering is a privately owned civil construction company, delivering services to the gas and mining, transport infrastructure, commercial, defence and government development sectors. Our team of more than 120 staff operate across offices in Brisbane, Townsville, Melbourne, Adelaide and Rockhampton. Our business is driven by a collaborative approach to project delivery and the diversity of our skills and capabilities.

Shamrock Civil Engineering has been providing safe, sustainable and smart solutions since 1994. We are committed to our clients and place value and emphasis on creating and maintaining long term relationships. The breadth of our civil construction expertise coupled with our integrated management system, enables us to deliver complex solutions efficiently and effectively. Through our comprehensive service offering, our priorities are maintaining the safety of our people, delivering better value for our clients and supporting our local communities.

Our key civil construction services include:

- Roads and bridges
- Dams and ponds
- Stormwater drainage and fittings
- Water pipelines and infrastructure
- Sewerage pipelines and infrastructure
- Bulk earthworks
- Land and soil remediation
- In ground services excavation, trenching and conduiting
- Hardstand and lay down areas
- Building and construction pads
- Landfill cells and facilities
- Airport runways, aprons and ancillary works
- Railway holding and marshaling yards, sidings and station works



LANDFILL

Shamrock Civil Engineering have developed a wealth of experience in the landfill industry over the years, having completed a number of projects in Queensland and Victoria.

Through these projects, we have been able to broaden our capabilities and have gone on to secure landfill projects for other key clients. Working across these sites, Shamrock Civil Engineering has continued to develop a high standard of quality assurance, necessary for the auditing and approval of landfill cell construction and successfully carried out works on live landfill sites, with minimal disruption. Shamrock Civil Engineering has constructed landfill cells as large as 80,000m² including:

- Bulk and detailed earthworks
- Compacted clay liners (GCL, HDPE & Geotextile)
- Leachate and groundwater collection systems
- Pipeworks and culverts
- Access roads

KEY LANDFILL PROJECTS:

- Mitchell Landfill Leachate Dam Expansion
- Mitchell Landfill Cell 6
- MRL Cells 4C1-4 and 3C Construction
- Werribee Landfill Cell 6
- Cell 3 Dooen Landfill, Horsham
- New Chum Leachate Pond
- Fraser & Deals Rd Landfill Rehabilitation
- Plenty Landfill Rehabilitation Stages 2 and 3
- New Chum Cell 1+5 Batter Cap
- MRL Cell 4B1, & 4B3 Construction – Inc Early Works
- New Chum Cell 3A
- Cell 6 Leachate Aggregate Placement VIC
- Springvalley Landfill Cap Remediation – Leachate Collection Drain, VIC
- Melbourne Regional Landfill Cell 4A, VIC
- Wollert Landfill Construction of Cell 12, VIC
- Hallam Road Landfill Cell 12, VIC
- New Chum Cell 4B, QLD
- Melbourne Regional Landfill Cell 3B, VIC
- Hervey Range & Stuart Landfill, QLD
- Victory Road Landfill Cell 4B, VIC



RENEWABLE ENERGY

Renewable energy is produced using natural resources that are constantly replaced and never run out.

Shamrock Civil Engineering completed the Civil Works on The Sun Metals Solar Farm Project in January 2018. This is currently Australia's largest solar farm, covering 120 hectares of land and generating 124MW of power. The Solar Farm will be used to supply power to the Sun Metals zinc refinery near Townsville and its low cost will likely establish a \$300 million expansion in the future.

Shamrock Civil Engineering continue to embrace renewable energy technologies including solar, wind power and hydropower and remain committed to further expanding our capability within this market.

KEY RENEWABLE PROJECTS:

- Sun Metals Solar Farm Flood Rectification Works, QLD
- Sun Metals Solar Farm Civil Works, QLD
- Australian Institute of Marine Science Solar Farm, QLD

Shamrock Civil Engineering successfully completed civil works on Australia's largest solar farm, covering 120 hectares of land and generating 124MW of power.



MINING, OIL & GAS

Shamrock Civil Engineering has successfully delivered large-scale civil construction projects to the mining, oil and gas sectors over the past 20 years, in remote and challenging locations in Australia. We have collaborated with clients to provide exceptional value in projects of all size and complexity.

- Bulk earthworks (>1,850,000m³)
- Detailed excavation (>300,000m³)
- HDPE, clay and coletanche liners (>1,200,000m²)
- Subgrade preparation
- Earth bunds and foundation preparation
- Trenching and pipeline installation
- Pond and dam remediation
- Access road and carpark construction
- Stormwater and culverts

KEY MINING, OIL & GAS PROJECTS:

- Arrow Concentrated Brine Ponds
- Phosphate Hill Cell 3D Evaporation Pond, QLD
- Mungana Tailing Storage Facility Cell 1, QLD
- Biloela Escarpment Remediation Works, QLD
- King Vol Boxcut Chillagoe, QLD
- X41, Southern & SD12 Dams, QLD
- Kenya Ponds Remediation, QLD
- QGC BC/IX Ponds - Northern Waters Treatment Plant, QLD
- Cameby Downs Mine Cell 1 Rectification, QLD
- QGC Sediment Ponds - Northern Waters Treatment Plant, QLD
- APLNG Condabri WWT - Ponds & Pads, QLD

Shamrock Civil has delivered a number of projects for Laing O'Rourke, demonstrating a genuine commitment to safety, quality, environment and overall project performance.

This was evident throughout the BC/IX Ponds Package project delivery and characterised by the careful planning, implementation and review of safe work methods and systems. The smooth and coordinated effort by the project team is a credit to their culture and expertise.

Laing O'Rourke acknowledges Shamrock Civil's professionalism and looks forward to maintaining a close working relationship that continues to meet expectations and provide mutual outcomes for all involved.

Laing O'Rourke



DEFENCE

Shamrock Civil is an experienced contractor with a successful history of completing projects on various Australian Defence sites over the last 20 years for Tier 1 Builders and directly for Department of Defence. This provides the benefit of a workforce that has a strong knowledge of working within operational Australian Army Facilities and the health and safety, environmental and quality expectations of Department of Defence.

Shamrock Civil Engineering pride ourselves as a specialist civil engineering company, providing construct options for defence facilities including but not limited to service installations and relocations, stormwater, wastewater and pipeworks, as well as roads, concrete works and landscaping.

When working within an operational environment we utilise our collaborative contracting model, and no surprises approach, to communicate consistently and effectively with all stakeholders to ensure we are minimising the impacts of the construction on the ongoing operations of the sites we are working within. By maintaining open, honest and cooperative communication we are able to carefully identify risks and opportunities, and implement mitigation measures to effectively manage the requirements of individual projects.

KEY DEFENCE PROJECTS:

- Bradshaw Field Training Area 3 Year Road Works NT
- Townsville Field Training Area Civil Works
- Shoalwater Bay Training Area 3 year civil works
- Fanning River TFTA Demolition
- 3 Years Road- Lavarack Barracks Demolition Works
- ASMTI Stage 14 UOLF Western Civils & Stage 3 Access Roads
- Cultana Training Area 3 Year Road Works, SA
- Townsville Field Training Area 3 Year Road Works
- Darling Down Sporting Facility, QLD
- Townsville Field Training Area (TFTA) Waste Transfer
- Growler Project, RAAF Amberley- Jet Fuel, QLD
- Fence Upgrade Lavarack Barracks, QLD
- Air Traffic Control Tower Oakey Stages 3 & 22
- Compound Extension & Parking Bays Lavarack
- Air Traffic Control Tower (ATC) Townsville Stage 7
- Lavarack Barracks Road Maintenance, QLD
- Battlefield Airlifter - Early Works Services Diversion
- Urban Soh Roads Civil & Infrastructure, Evans Head
- LAND 121 Stage 2 Unit Sustainment Facilities, QLD
- Defence Logistics Transformation Program (DLTP)- Joint Logistics Unit Lavarack Barracks, QLD
- 17th Construction Squadron Civil Works, QLD
- 21st Construction Sqd Earthworks & Roadworks

Qualified professionals, with specialist experience, who understand the safety and security requirements of working within established defence facilities.



TRANSPORT INFRASTRUCTURE

Shamrock Civil Engineering has experience working to stringent programs, dealing with multiple stakeholders and working in high volume traffic / pedestrian areas on many Transport Infrastructure Projects. We have successfully collaborated with various stakeholders on these including Queensland Rail, Government Sectors, Local Councils, Business Owners and Residents, to coordinate the works carefully, safely, without disruption to the local communities and with minimal interruption to existing services.

Shamrock Civil Engineering have successfully delivered multiple projects in the road and bridge, rail, airport and port sectors, including:

- Clearing and earthworks
- Bridge construction
- Roadworks
- In-ground Services

KEY RAIL PROJECTS:

- New Generation Rolling Stock (NGRS) Maintenance Depot – Civil Works & Services, QLD
- Ferny Grove Train Station Upgrade, QLD
- Gold Coast Rapid Transit- Early Stormwater, QLD
- Salisbury to Kuraby Rail Upgrade Civil Works, QLD

KEY AIRPORT PROJECTS:

- Townsville Airport Ground Transport Plan Package, QLD
- Brisbane Air Traffic Service Centre, QLD
- BAC Domestic Terminal Access Civil Works, QLD
- BAC International Airport Culvert Works, QLD
- BAC Multi-Level Carpark In-ground Services, QLD

KEY ROAD & BRIDGE PROJECTS:

- Townsville Core Bulk Water Access Roads, QLD
- Kingsford Smith Drive, QLD
- Pacific Highway Upgrade Woolgoolga to Ballina, NSW
- D&C Chardon Bridge Replacement, QLD
- Kin Kora Intersection Upgrade, QLD
- Manus Island Road Repairs & Maintenance, PNG
- King Street North RNA Showgrounds, QLD
- D&C Edward O'Neill Bridge Replacement, QLD
- Bridge Rd & Paradise St Rehabilitation, QLD

KEY PORT PROJECTS:

- North Queensland Bulk Ports Stormwater, QLD
- Brisbane Container Terminal 11 Civil Works, QLD
- Port of Brisbane Shoulder Widening, QLD

Shamrock Civil Engineering has a strong understanding of the rail sector and operating environment, having successfully delivered multiple projects working adjacent to live railways, overhead electrification and under live rail conditions.

Seamless security interface and strict control measures by Shamrock Civil Engineering, has ensured that risks associated with airport projects do not affect the operations of the live airport facilities. Shamrock Civil Engineering understands the importance of compliance with all airport security protocols.



WATER & WASTEWATER

Shamrock Civil Engineering has 25 years experience delivering stormwater, water and sewer reticulation systems and stabilisation works.

We have delivered RCP ranging from 375mm to 2,100mm in diameter, culvert structures up to 2,400mm in height and water and sewer pipelines up to 2,600m in length.

Shamrock Civil Engineering respect the environment, leaving a minimal footprint or impact to surroundings, whilst completing projects.

“*Shamrock Civil was engaged by Richmond Valley Council to undertake embankment stabilisation works on Ocean Drive, Evans Head, NSW.*

The works were adjacent to the Evans River foreshore and were completed ahead of schedule and without any harm to the neighbouring waterway.

The works were completed to a high standard and received many compliments from the community.

Shamrock Civil was active in finding solutions for any hiccups which were encountered during the project.

Council looks forward to working with Shamrock Civil in the future.”

Richmond Valley Council

KEY WATER & WASTEWATER PROJECTS:

- Forest Glen Master Drainage Browns Plains, QLD
- Battlefield Airlifter Early Works Services Diversion, QLD
- Urban South Aerial Weapons Range – Roads Civil & Infrastructure, NSW
- RNA Detention Tank Stormwater, QLD
- Arlington St Master Drainage Underwood, QLD
- Ocean Drive Slope Stabilisation, NSW
- Sarina Waste Transfer Station, QLD
- Brisbane Street Watermain Replacement, QLD
- BAC International Airport Culvert Works, QLD
- Gold Coast Rapid Transit Stormwater Drainage, QLD
- Brisbane Airport Multi-Level Carpark In-ground Services, QLD
- Renee St & Waller Rd Stormwater Upgrade, QLD
- Lady Cilento QLD Children’s Hospital, QLD
- Amberley Sewer Pit & GPT, QLD
- Holts Road Stormwater Culvert Upgrade, QLD

Capability encompassing expertise in stormwater, water and sewer reticulation systems and stabilisation works.



BUILDING

Shamrock Civil Engineering has over 25 years experience delivering civil works Builders including:

- ADCO Constructions
- Hutchinson Builders
- John Holland
- Laing O'Rourke
- Lend Lease
- Watpac Australia

Through delivering these projects Shamrock Civil has gained a sound knowledge and understanding of working in Hospital, Shopping Centre, School, Commercial and Correctional Zones. We place stringent controls on the management of noise and dust pollution, minimising impacts on daily operations, ensuring minimal impact on access requirements for vehicles, maintaining adequate and safe pedestrian access, regular communications, recognition and understanding of security protocols.

KEY COMMERCIAL PROJECTS:

- Southpoint Stage B- Southbank Earthworks, QLD
- Tribune on Grey Building Earthworks, QLD
- Matisse Tower Basement Excavation, QLD
- QLD Cultural Centre Millennium Arts Bulk Excavation, QLD

KEY CORRECTIONAL PROJECTS:

- New Youth detention Centre Bulk Civil Works, QLD
- Gatton Correctional Facility Civil Works, QLD
- Arthur Gorrie Correctional Centre & Brisbane Reception Centre Upgrade Civil Works, QLD

KEY HEALTH PROJECTS:

- Herston Specialists Rehabilitation & Ambulatory Care, QLD
- St Andrew's Ipswich Private Hospital Carpark, QLD
- Logan Hospital Intersection Upgrade, QLD
- Gold Coast Private Hospital Carpark, QLD
- The Qld Children's Hospital Civil Works, QLD
- Mackay Base Hospital Stage 3 Carpark, QLD
- Logan Hospital Carpark Reconfiguration, QLD

KEY EDUCATIONAL PROJECTS:

- Springwood Road State School Drainage, QLD
- Collingwood Park State School Civil Works, QLD
- West Pacific Pines State School Civil Works, QLD
- Brisbane Boy's College Civil & Road Works, QLD
- ACLLL Springfield University Carparks & Roadworks, QLD
- AIBN University of QLD Civil Works, QLD

KEY RETAIL PROJECTS:

- Townsville Reef HQ Office Demolition, QLD
- Heathwood Woolworth Distribution Centre, QLD
- Costco Ipswich Civil Works, QLD
- Toowoomba Grand Central Water & Sewer, QLD
- Robina Town Centre Carpark & Stormwater, QLD
- Indooroopilly Shopping Centre Intersections, QLD
- Ipswich Riverlinks Shopping Centre External Roads, QLD
- Mango Hill Retail Development Civil Works, QLD



Why WORK WITH US

Shamrock Civil is committed to delivering excellence in civil construction by focusing on the key business practices such as health, safety, environmental and quality. Our third party certified management systems have evolved to meet the new challenges associated with the increased complexity and value of projects we undertake.



SAFETY

The safety of our people is our number one value. We ensure our initiatives are linked to comply with the *Work Health and Safety Act (2011)* and stand by the mantra that there is no task so important that it compromises the safety of an individual. Our strong health and safety culture can be attributed to our Safety for Life initiative, which focuses on a Zero Harm culture and providing a supportive working environment for our employees, subcontractors and partners

Shamrock Civil's Workplace, Health & Safety system complies with the requirements of AS/NZS 4801, is third party certified and has also achieved Federal Safety Accreditation.



ENVIRONMENT

Shamrock Civil is committed to understanding, meeting and continuously evolving our approach to environmental management. Our Environmental Management System has been developed to reduce the impact our operations have on all aspects of the environment, including native flora and fauna, air and water quality, soil conditions and cultural heritage. We are able to implement practices that significantly reduce our impact, whilst continuously developing these practices to improve our environmental performance.

Shamrock Civil's Environmental system is third party certified by SAI Global and complies with the requirements of ISO 14001.



HEALTH & WELLBEING

We are taking steps to continually improve the mental and physical health of our workforce, which has the potential to deliver significant productivity benefits to our employees and the industry.

We have implemented a dynamic health program, creating safer work attitudes and encouraging behavioural change through recognising the links between health and safety at work and at home.

Shamrock offers a range of free or discounted health services available to all employees.



QUALITY

Shamrock Civil is constantly striving to improve our products and services for the benefit of our clients and the betterment of our business. Our multi-faceted Quality Management System includes a detailed analysis of client demands prior to the commencement of operation and stringent quality control procedures during construction. We assess all products and services to ensure conformance to the requirements of each projects specifications, drawings and relevant standards.

Shamrock Civil's Quality Management System complies with the requirements of ISO 9001 and is third party certified By SAI Global



Shamrock GIVING BACK



COMMUNITY ENGAGEMENT

Shamrock Civil Engineering is committed to leaving a lasting legacy in the communities in which it operates. The company is keen on assisting local communities through infrastructure, employment and training.

Shamrock Civil Engineering provides support to a range of community based groups and partnerships including charity golf days, educational programs, sporting teams, charitable programs and key infrastructure to organisations across the country.



LOCAL PARTICIPATION

Shamrock Civil Engineering is committed to the principles of sustainable development of Small and Medium Enterprise businesses within the local geographical footprints of our projects and operations to enhance the socioeconomic sustainability of the local communities.

Shamrock Civil Engineering is committed to providing early communication to the local business community to allow interested parties to maximise their potential to secure supply delivery opportunities with Shamrock Civil Engineering in their local region.

We approach each project individually, actively identifying opportunities for local community engagement and participation that will provide beneficial outcomes for the project team, client and local community.



INDIGENOUS

Shamrock Civil Engineering is committed to improving the social and economic welfare of Indigenous people by providing opportunities for employment and promoting career development for Indigenous people, and providing a culturally sensitive workplace.

In May 2017, Shamrock Civil Engineering announced its partnership with Waanyi Aboriginal Corporation (an indigenous company based in North Queensland) registered as Waanyi Shamrock United. Waanyi Shamrock United recognise the importance of providing real opportunities to Indigenous Communities, to assist in raising their economic and social development, which ultimately improves their standards of living and associated health and well-being status.

Waanyi Shamrock United is a Supply Nation Certified company.

This has been a long standing approach to each of our business operations and the partnership now strengthens that position. We provide services to the mining and civil construction industry, while offering local indigenous communities the opportunity to take part in wealth-generating activities on traditional lands.

Shamrock Civil Engineering continued focus is on increasing our commitment to Indigenous engagement across the company, to create a diverse workforce. We have extensive experience working in regional and remote areas and within Aboriginal and Torres Strait Islander communities. Our policies, plans, initiatives and training programs support our commitment to provide equal opportunities.

As the first inhabitants of Australia the indigenous Australian People have a significant place in the past, present and future of the nation.





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