



CAPABILITY STATEMENT



PROJECT MANAGEMENT



CIVIL ENGINEERING



CONTRACT ADMINISTRATION



CONSTRUCTION SURVEILLANCE

FLOOD RECOVERY & INFRASTRUCTURE DELIVERY SPECIALISTS

Supporting Local Government and infrastructure owners through the successful delivery of complex civil infrastructure and flood recovery projects.



NORTHERN RIVERS NSW



ABN 13 681 510 798



VERSION 1.0



INTEGRITY

COLLABORATION

EXCELLENCE

ACCOUNTABILITY

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ABOUT US

DRACO ENGINEERING PTY LTD is a specialist civil engineering and project management consultancy providing Principal-side project delivery, contract administration, engineering advisory and construction surveillance services for Local Government authorities, infrastructure owners and contractors throughout New South Wales.

We specialise in the successful delivery of complex civil infrastructure projects where technical, contractual and stakeholder challenges require practical engineering solutions, strong project leadership and effective governance.

Our personnel are currently supporting major flood recovery and infrastructure restoration programs throughout the Northern Rivers region and have extensive experience working within Local Government project delivery environments.

DRACO Engineering has experience supporting infrastructure recovery projects delivered under the Disaster Recovery Funding Arrangements (DRFA) and NSW Reconstruction Authority (RA) programs, including project reporting, funding compliance, contractor management, stakeholder coordination and construction delivery.

Our experience spans:

- Landslip remediation and slope stabilisation
- Road reconstruction and rehabilitation
- Flood recovery infrastructure
- Geotechnical construction works
- Contract administration and Superintendent services
- Construction surveillance and quality assurance
- Procurement and tender management
- Asset recovery and resilience projects
- Disaster recovery and infrastructure restoration programs

We understand that successful infrastructure delivery requires more than technical knowledge. It requires the ability to coordinate designers, contractors, stakeholders and regulators while managing cost, risk, program and quality outcomes.

Our approach combines practical construction experience with strong engineering governance to ensure projects are delivered safely, efficiently and in accordance with contractual and regulatory requirements.

OUR SERVICES

Project Management

Provision of end-to-end project management services including:

- Project planning and programming
- Procurement and tender management
- Contract administration
- Budget management and forecasting
- Risk management
- Stakeholder coordination
- Construction management
- Project reporting
- Practical completion and handover

Contract Administration

Extensive experience administering:

- GC21 General Conditions of Contract
- MW21 Minor Works Contract
- Schedule of Rates Contracts
- Lump Sum Contracts
- Design and Construct Contracts

Services include:

- Assessment of payment claims
- Variations and claims management
- Extension of Time assessments
- RFIs and technical reviews
- NCR management
- Superintendent instructions
- Defects management

- Contract close-out

Engineering & Technical Advisory

- Civil engineering reviews
- Geotechnical construction support
- Design coordination
- Constructability reviews
- Pavement investigations
- Asset condition assessments
- Temporary works reviews
- Scope development and estimating

Construction Surveillance & Quality Assurance

- Site inspections
- Hold point witness
- Compliance auditing
- Quality management
- Materials compliance reviews
- Practical completion inspections
- Defects inspections
- Surveillance reporting

FLOOD RECOVERY CAPABILITY

DRACO Engineering personnel are actively involved in the delivery of flood restoration and infrastructure recovery projects throughout the Northern Rivers region.

Our team has experience delivering projects funded through Disaster Recovery Funding Arrangements (DRFA) and administered through Local Government and NSW Reconstruction Authority programs.

Key capabilities include:

- Landslip remediation and slope stabilisation
- Road reconstruction and rehabilitation
- Flood-damaged infrastructure restoration
- Contract administration and Superintendent support
- Construction surveillance and quality assurance
- Contractor management and performance monitoring
- Procurement and tender support
- Claims and variation assessment
- Project controls and reporting
- Community and stakeholder engagement
- Environmental compliance management
- Risk management
- Funding compliance and reporting

RELEVANT PROJECT EXPERIENCE

LRP - Flood Recovery Program

Client: Lismore City Council

Contractor: CMC Hull JV

Designer: GHD

Role: Project Management, Contract Administration and Construction Surveillance

Project Value: Multiple projects exceeding \$150 million in combined value

Following the 2022 Northern Rivers flood event, DRACO Engineering has provided project management and engineering services across a large portfolio of flood recovery infrastructure projects throughout the Lismore Local Government Area.

The works involved the recovery and reconstruction of critical transport infrastructure including roads, culverts, embankments and landslip remediation sites located in challenging terrain and environmentally sensitive areas.

Scope of Services

- Principal Representative services

- Project management and reporting
- Contract administration under GC21 and MW21
- Design coordination
- Stakeholder management
- Construction surveillance
- Quality assurance
- Risk management
- Procurement support
- Claims and variation assessments

Key Outcomes

- Successful management of multiple concurrent infrastructure projects.
- Coordination of contractors, designers and specialist geotechnical consultants.
- Delivery of complex landslip remediation works in operational road corridors.
- Maintenance of public access and stakeholder engagement throughout construction.
- Achievement of project milestones under challenging weather and site conditions.

Stony Chute Road Landslip Remediation



Client: Lismore City Council

Contractor: Lismore BAU

Designer: GHD

Project Value: Approximately \$6.5 Million

This project involved the remediation of a major deep-seated landslip that significantly impacted the structural integrity of Stony Chute Road and threatened ongoing access to surrounding communities.

The landslip experienced movement exceeding 4 metres following extreme rainfall events, requiring emergency stabilisation measures prior to the development of a permanent remediation solution.

Permanent Works Included

- Large-scale rockfill stabilisation embankment
- Shear key excavation to competent founding material
- Subsurface drainage systems
- Twin 900 mm drainage culverts
- Road reconstruction and pavement rehabilitation
- Environmental rehabilitation works
- Road safety barrier installation

DRACO Engineering Responsibilities

- Project management
- Design coordination
- Contractor management
- Stakeholder engagement
- Cost and program management
- Construction surveillance
- Technical review and risk management

Key Outcomes

- Development and implementation of an Alternative Treatment solution resulting in savings exceeding \$3 million compared with the original reconstruction proposal.
- Successful management of emergency stabilisation works during active ground movement conditions.
- Protection of critical road access for the local community.

- Delivery of a resilient long-term infrastructure solution.

Skyline Road South Stabilisation Works



Client: Lismore City Council

Contractor: Doval Constructions

Designer: GHD

Project Value: \$1.5 Million+

The project involved the remediation of a large pavement deformation and embankment instability affecting a key rural road corridor.

Scope of Works

- Horizontal drainage installation
- Road reconstruction
- Culvert replacement
- Embankment stabilisation
- Drainage improvements
- Pavement rehabilitation

Services Provided

- Project management
- Contract administration

- Construction surveillance
- Practical completion inspections
- Defects management

Key Outcomes

- Successful completion with minimal disruption to the community.
- Improved long-term pavement performance.
- Enhanced drainage and slope stability outcomes.
- Achievement of contractual quality requirements.

Nimbin Road and Blue Knob Road - Landslip Remediation Projects



Client: Lismore City Council

Contractor: CMC

Designer: Civil Consult and GHD

Project Value: \$25.0 Million+

DRACO Engineering has successfully managed and supervised numerous landslip remediation projects involving:

Stabilisation Systems

- Soil nail walls
- Shotcrete retaining walls
- No-fines concrete backfill systems
- Rockfill embankments
- Gabion retaining structures
- Micro piling retaining walls

Technical Services

- Geotechnical construction surveillance
- Soil nail acceptance testing
- Contractor quality audits
- Design review coordination
- Non-conformance management
- Risk assessments
- Defect management

Key Outcomes

- Successful delivery of multiple remediation sites across highly variable geotechnical conditions.
- Management of complex contractor interfaces.
- Verification of compliance with TfNSW specifications and project requirements.
- Delivery of safe and durable infrastructure solutions.

KEY PERSONNEL

DRACO Engineering has assembled a practical and experienced team capable of supporting Local Government infrastructure delivery, flood recovery works, civil remediation projects, construction surveillance and contract administration. The team combines client-side project management, project engineering, quality compliance, infrastructure inspection, site supervision and business operations support.

Our personnel have experience across civil infrastructure, road reconstruction, drainage, landslip remediation, pavement rehabilitation, bridge and structural inspections, construction monitoring, contractor coordination, quality assurance, progress reporting and DRFA-funded project delivery.

Eugene Ferraris

Managing Director / Senior Project Manager

Eugene Ferraris is the Managing Director of DRACO Engineering and a Senior Project Manager with over 10 years of experience delivering civil infrastructure, flood recovery, landslip remediation and Local Government projects across Australia and overseas.

Eugene provides overall project leadership, client liaison, contract administration, procurement, budget management, consultant coordination, contractor management, claims and variations assessment, risk management, DRFA compliance and stakeholder engagement. He has played a key role in the delivery of major flood recovery and infrastructure restoration programs across the Northern Rivers region.

Andres Ossa

Senior Project Engineer

Andres Ossa is a Civil Engineer and Senior Project Engineer with experience supporting civil infrastructure, flood recovery, landslip remediation and Local Government infrastructure projects.

Andres provides project engineering support, construction surveillance, contractor coordination, site inspections, Hold Point and Witness Point inspections, quality assurance, progress monitoring, stakeholder engagement, contract administration support and project reporting. His recent experience includes supporting DRFA-funded infrastructure restoration works across the Northern Rivers region.

Juan David Tellez

Project Engineer

Juan David Tellez is a Civil Engineer and Project Engineer with over 10 years of experience delivering civil infrastructure projects across Australia and overseas, including roads, pavements, drainage systems, structures and urban transport infrastructure.

Juan David supports civil works monitoring, site inspections, contractor coordination, quantity verification, progress monitoring, quality assurance, technical reporting and

project documentation. He provides practical project engineering support across road reconstruction, pavement, drainage and flood recovery projects.

Edoardo Antignano

Civil Engineer — Compliance, Surveillance and Asset Inspection

Edoardo Antignano is a Civil Engineer with over 10 years of experience in infrastructure inspection, compliance, surveillance and asset management across Australia and overseas.

Edoardo's experience includes bridge and tunnel inspections, structural assessments, non-destructive testing, asset condition assessments, defect identification, compliance reviews and technical reporting. He provides technical support for infrastructure inspection, quality monitoring, asset condition verification and compliance reporting.

Victor Garcia

Civil Engineer — Construction Surveillance and Compliance

Victor Garcia is a Civil Engineer with over 9 years of experience in site supervision, construction surveillance and infrastructure delivery across roads, drainage systems, earthworks, retaining structures and public infrastructure projects.

Victor provides site inspections, contractor monitoring, QA/QC inspections, compliance verification, defect identification, photographic records, progress reporting and construction documentation. His experience supports road rehabilitation, drainage infrastructure, retaining structure stabilisation and civil infrastructure delivery programs.

Daniela Cadavid

Operations and Business Manager

Daniela Cadavid provides operations and business support for DRACO Engineering, assisting with internal communications, invoicing, accounting coordination, business administration and day-to-day operational processes.

Daniela supports the team by maintaining clear internal coordination, assisting with financial administration, managing business records and supporting efficient communication between project personnel, clients and suppliers.

Together, DRACO Engineering's key personnel provide a balanced capability across project leadership, client-side delivery, construction surveillance, technical inspection,

quality compliance, reporting and business operations. This structure allows DRACO to provide responsive and practical support to Local Government clients delivering complex civil infrastructure, flood recovery and remediation projects.

WHY DRACO ENGINEERING

- ✓ Northern Rivers Based – Local presence with strong understanding of regional communities, contractors and infrastructure networks.
- ✓ Current Flood Recovery Delivery Experience – Active involvement in the delivery of DRFA-funded infrastructure restoration projects throughout the Northern Rivers.
- ✓ Local Government Expertise – Extensive experience working within Council governance, procurement, reporting and project delivery frameworks.
- ✓ Principal-Side Project Delivery – Proven capability providing Project Management, Contract Administration, Superintendent and Construction Surveillance services.
- ✓ Technical Capability – Specialist expertise in landslip remediation, geotechnical construction, road reconstruction and infrastructure restoration.
- ✓ Contract Administration Excellence – Strong experience administering GC21, MW21 and Schedule of Rates contracts, including claims, variations, EOTs and contractor performance management.
- ✓ Strong Governance and Compliance – Practical understanding of DRFA funding requirements, NSW Reconstruction Authority processes and audit compliance obligations.
- ✓ Flexible and Scalable Resources – Ability to rapidly mobilise experienced project managers, engineers and surveillance personnel to support changing program requirements.

CONTACT

DRACO ENGINEERING PTY LTD

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