



Capital Consulting  
ENGINEERS  
*"Your Partners in Success"*

DEVELOPING ENGINEERING SOLUTIONS

*Engineering Consultants  
Project Managers*

## CAPABILITY STATEMENT:

# Urban Development



**Capital Consulting Engineers Offer Innovative Solutions for:**

- Urban Design
- Roads and Pavement Design
- Water, Sewerage, Storm water
- Erosion & Sediment Control, WSUD
- Development Applications
- Mining, Mine Rehabilitation, Tailings Dams
- Project Management of Engineering, Procurement and Construction
- Quality Assurance

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*For multi-discipline project delivery from concept through to completion Capital Consulting Engineers offer high quality certified Project Managers backed up by an experienced in-house Engineering Team. We offer innovative and cost effective solutions to your Engineering problems.*



# Technology at work for you

## Developing Engineering Solutions

### ENGINEERING SOLUTIONS

Project Development

Management services

Urban & Environmental  
Planning & design

Investigation, Engineering  
Design & Supervision of  
Infrastructure Works

Roads and Parking

Pavement Design

Bulk Earthworks

Storm Water Drainage and  
Flood Modeling

Sewerage

Water



### Practical Experience

Capital Consulting Engineers have practical experience in projects from research and development, investigations, feasibility studies, planning, design and project management in industry and mining.

We are a multidisciplinary consultancy providing a well-rounded approach to project management, delivering an integrated solution that works.

### Complete Project Delivery

Capital Consulting Engineers provides clients with in-house services covering most aspects of civil engineering projects from consent to completion. Access to our in-house mechanical and electrical engineering capability ensures a coordinated approach to design.



### Capabilities

Capital Consulting Engineers provides clients with value in the civil design process by clarifying a Client's needs, challenging assumptions and developing solutions to achieve the highest level of design quality, sustainability and productivity. CCE's areas of capability include:

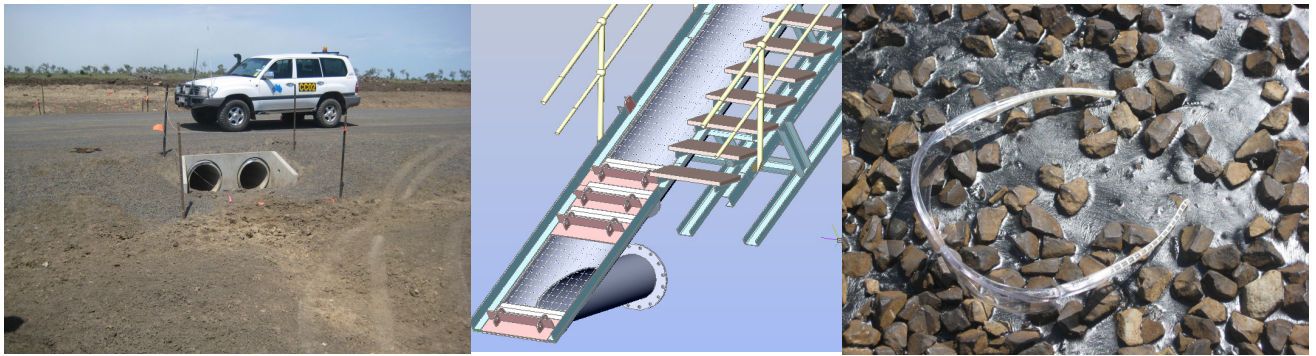
- Feasibility Studies
- Financial Evaluation and Feasibility Assessment
- Engineering Estimates
- Planning Services
- Detailed Design
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### Engineering Design

Detailed engineering design plans covering roads, pavements, water, sewerage, bulk earthworks, storm water, tailings dams, retaining walls, river diversions, lot design and subdivision development & rezoning etc.

Service Authority liaison and Council Approvals.



# flexible solutions for your business needs

technology consulting provides a total end to end solution

## New 6km Mine Access Road for Eagle Downs Coal Mine

CCE carried out the design and construction supervision of a new 6km highway standard access road for Eagle Downs Coal Mine.

- Council and DoT liaison for the design of the intersection onto the busy Dysart Road
- Geotechnical Investigation of the route
- Pavement design in black cotton soils
- Geometric Design using 12d
- Flood modeling and design of two major culverts crossing a large flood plain
- Design of all minor service intersections, truck access and a bus turn-around
- Design of the visitors car park
- Production of all detailed design drawings and specifications
- Construction Management

## Track Drainage for RailCorp near Blaxland

Detailed design of a track drainage using 12d and AutoCAD. Production of detailed design drawings, specifications and cost estimate for tender.

## Retaining Walls

Detailed design and supervision of domestic retaining walls.

## Upgrade to Carborough Downs Internal Road Network

Detailed geometric and pavement design of 5km of surfaced access road, intersections, parking areas and associated drainage structures.

## Preparation of Erosion & Sedimentation Studies

CCE has provided several E&S studies and reports for mines. These have entailed applying the recommendations of Soil, Flora, Fauna and Geotechnical reports into one manual that provides a holistic, 1-stop guide for the mine and its contractors when disturbing ground.

## Flood Modeling and Creek Rehabilitation

CCE provided a flood model of a creek for the decommissioning of an existing storage dam for Carborough Downs Mine, followed by detailed design, Department approval and site supervision for the rehabilitation of the creek.

## Upgrade of NGCM Access Road

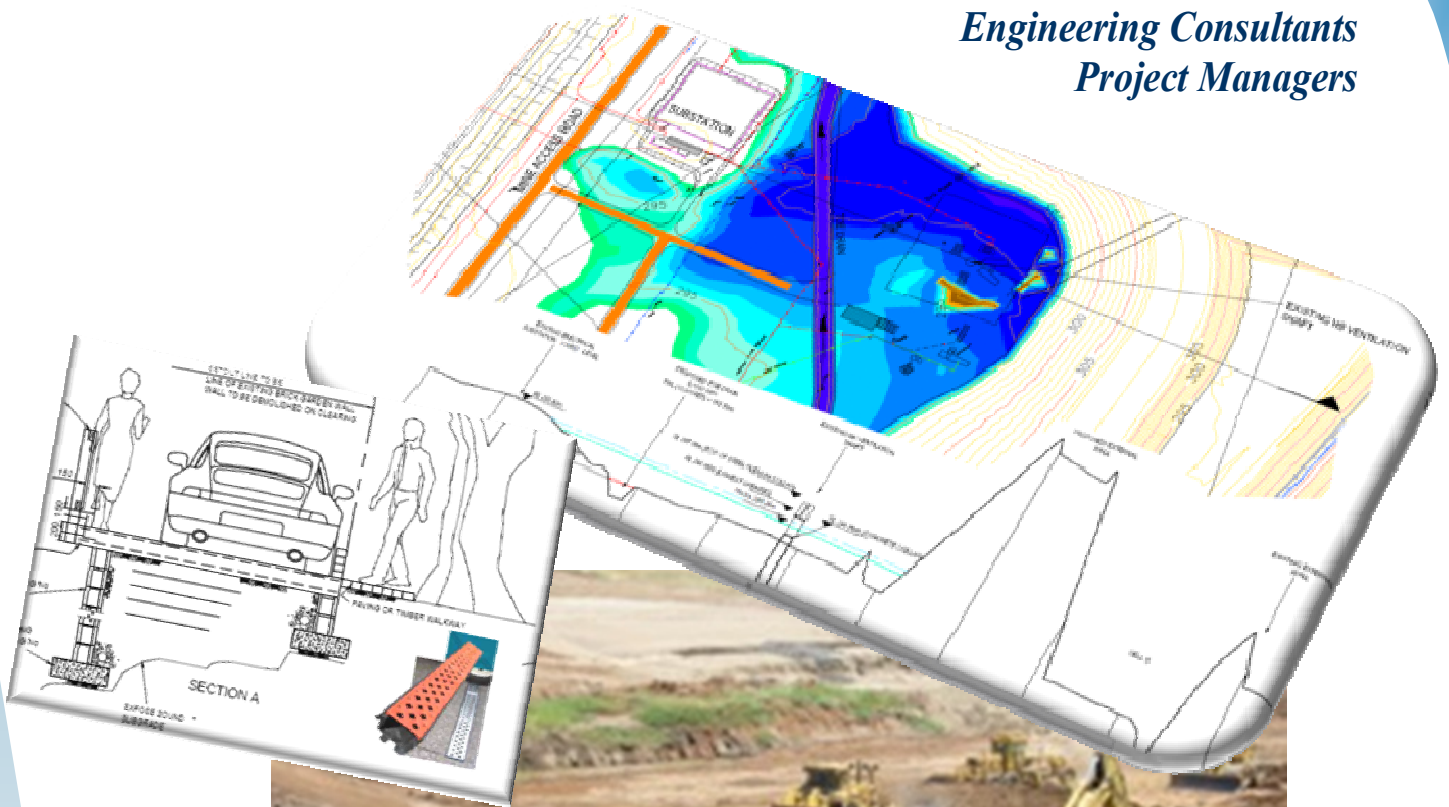
Provision of technical and commercial advice regarding proposed maintenance of a 26km stretch of 9m width access road from the Suttor Development Road to the NGC Mine administrative offices.

## ROM Wall Repair Foxleigh Coal Mine

Repair of damaged ROM wall and truck loadout slab including detailed design of new shedder plate.



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