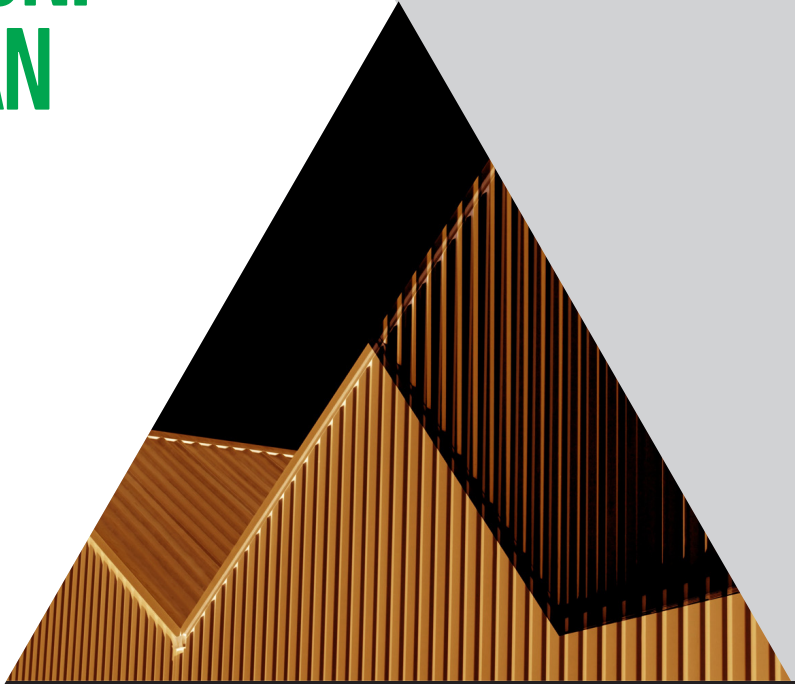


**ENGINEERING**  
**YOU CAN RELY ON.**  
**PEOPLE YOU CAN**  
**TRUST.**





# ENGINEERS YOU CAN TRUST

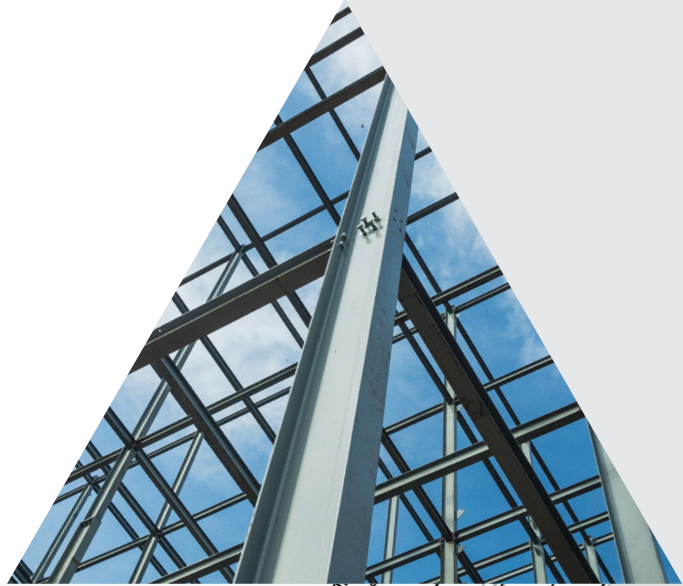


At Vivid Engineering, we're dedicated to providing structural, civil, and forensic engineering solutions you can rely on. We use a combination of the latest technology and a first principles approach to tackle even the most complex problems, breaking things down to their basics and building them up again using core engineering principles. That approach allows us to deliver engineering solutions that are not just effective, but also safe, cost-effective, and environmentally responsible.

# STRUCTURAL ENGINEERING

We design commercial and residential frameworks and structures to ensure they can withstand the forces and loads they encounter.

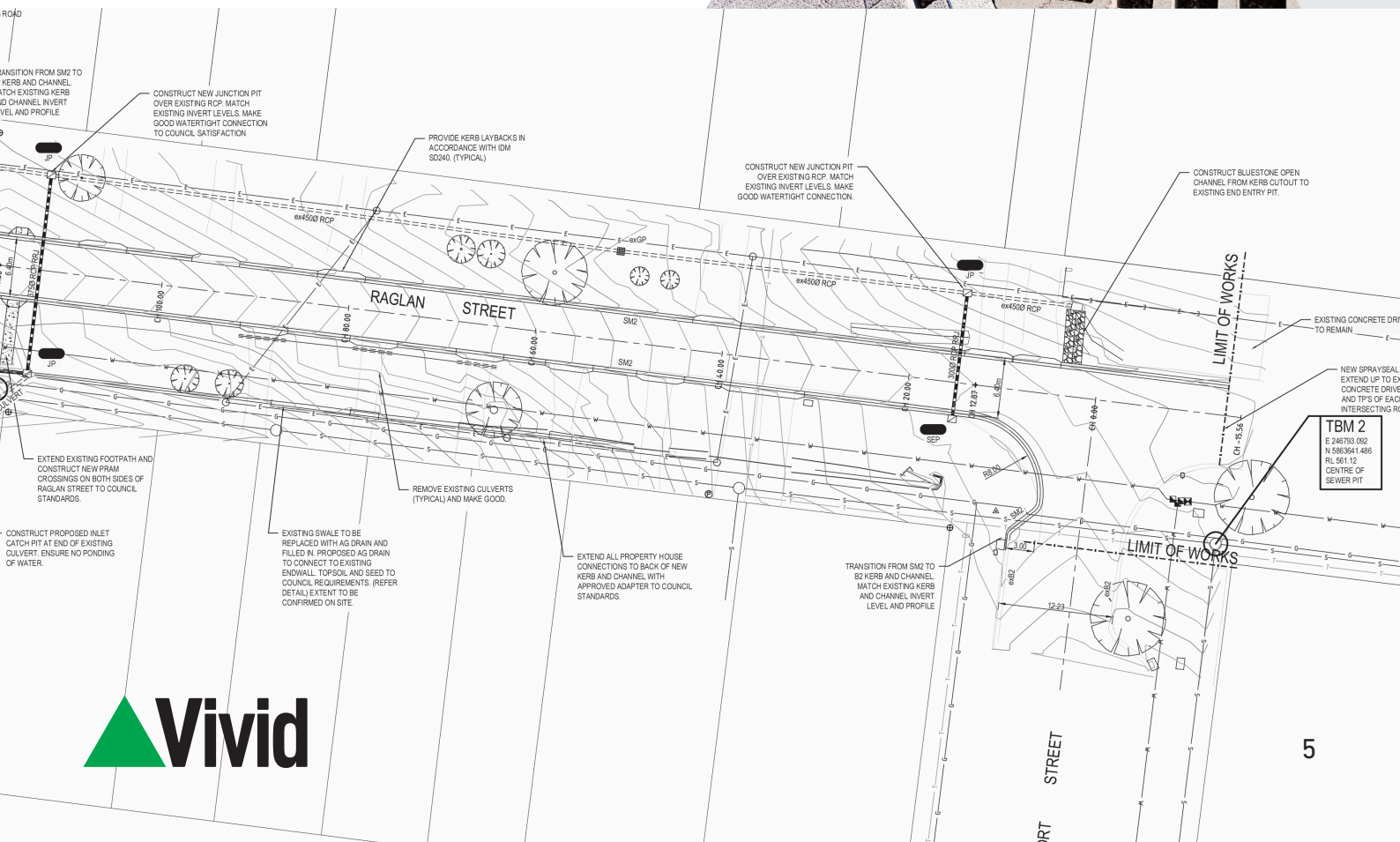
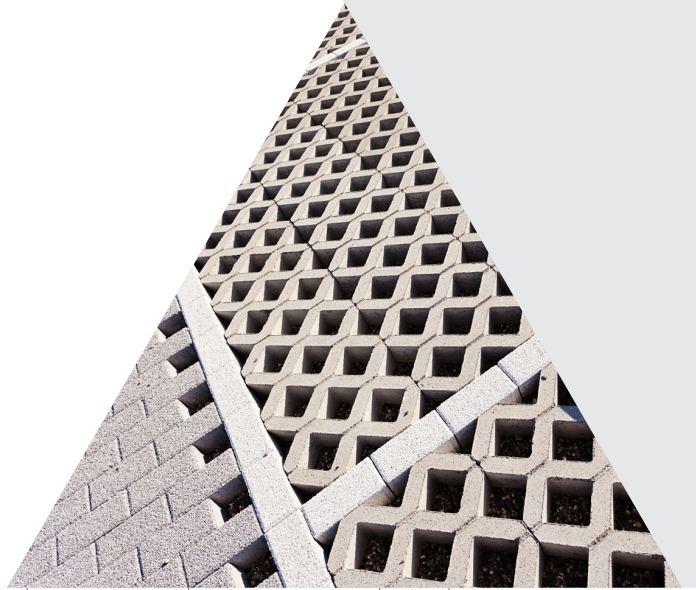
- + Structural Design & Analysis
- + Building Inspections & Assessments
- + Retrofitting & Rehabilitation
- + Foundation Design & Assessment
- + Structural Testing & Monitoring
- + Construction Support
- + Specialised Structural Services
- + Compliance & Code Consultation
- + Sustainability & Innovation



# CIVIL ENGINEERING

We design infrastructure projects like roads, car parks, and water systems to support and enhance everyday life.

- + Site Development & Planning
- + Transportation Engineering
- + Water Resources Engineering
- + Environmental Engineering
- + Construction Support
- + Project Management
- + Sustainability & Innovation

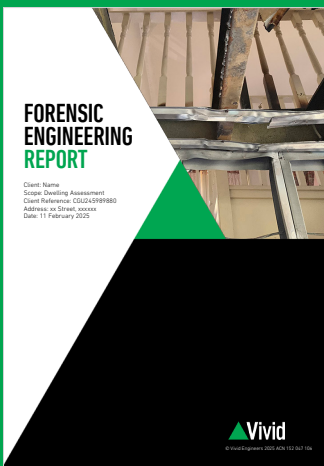


# FORENSIC ENGINEERING

We investigate and analyse failures in structures, materials, or systems to determine the causes of accidents or malfunctions and provide expert reports for legal, safety, and reconstruction purposes.

- + Failure Investigation
- + Accident Reconstruction
- + Material & Component Testing
- + Construction Defects
- + Expert Witness Services

## Forensic engineering reports



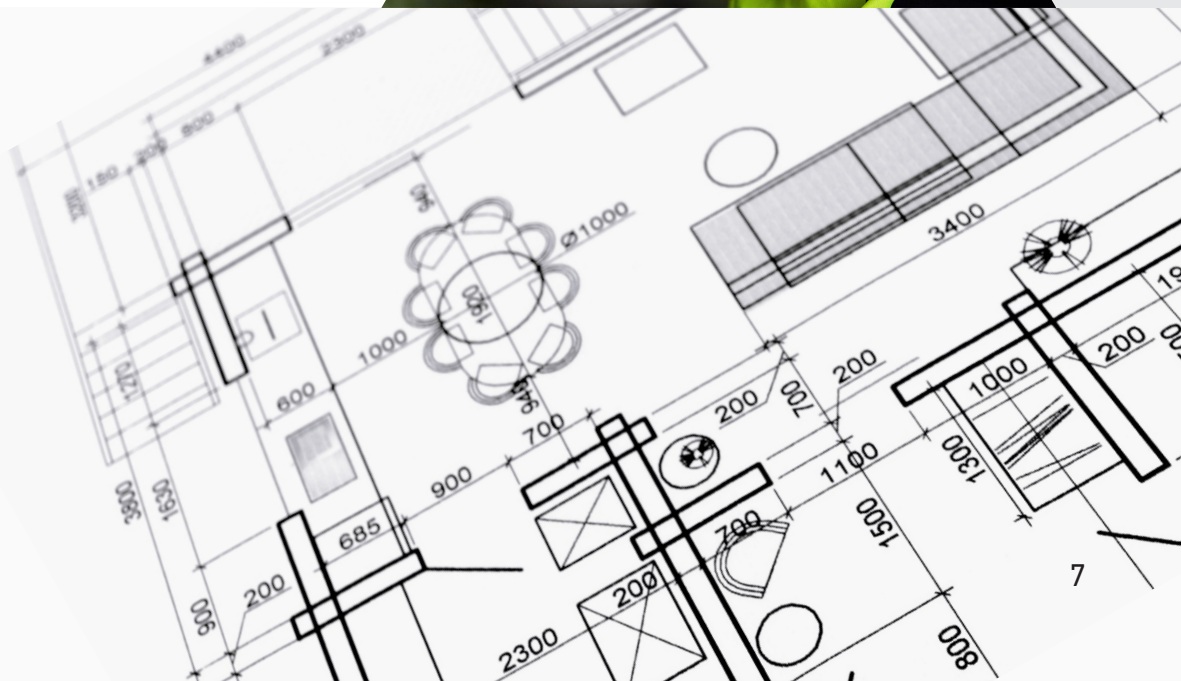
Our reports are clear, precise, and backed by rigorous analysis.



# BUILDING CONSULTANCY

We provide independent building assessments and practical advice to help identify damage, determine appropriate repairs, and support clear, well-informed decisions on building condition and reinstatement.

- + **Building Condition & Damage Assessments**
- + **Identification of Event-Related Damage vs. Wear & Tear**
- + **Repair Scopes of Work (Like-for-Like Reinstatement)**
- + **Review of Builder Quotations for Scope & Cost Reasonableness**
- + **Defect Identification & Workmanship Quality Reviews**
- + **Non-Structural Causation Advice for Insurance Claims**
- + **NCC & Australian Standards Compliance Commentary (Review Only)**
- + **Referral to Structural or Specialist Engineers Where Required**



# FIRST PRINCIPLES ENGINEERING

At Vivid Engineers, we take a first-principles engineering approach. That means we tackle structural, civil, and forensic engineering challenges by getting back to basics. We believe the best outcomes come from breaking down complex problems into their simplest parts and applying fundamental engineering truths to develop more efficient, effective, and reliable solutions.

These fundamental truths include:

## **Physical Laws**

We rely on the foundational principles of physics, like equilibrium, load paths, and energy conservation, to ensure that every design is structurally sound.

## **Mathematical Principles**

Basic mathematical concepts, such as geometry, statistics, and calculus, provide the precision and accuracy required for effective engineering solutions.

## **Material Properties**

Understanding how materials behave - such as strength, flexibility, and conductivity - helps us design solutions that work in the real world.

## **Functional Requirements**

We focus on what each project needs to achieve, tailoring solutions to meet essential performance goals.

## **Design Constraints**

We account for limitations like size, weight, and environmental factors to deliver practical, buildable solutions.

By sticking to these core principles, Vivid Engineers develops thoughtful, efficient solutions that stand the test of time or environmental factors.

# GET AN ENGINEERING SOLUTION YOU CAN RELY ON

## Head Office

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**Email:** [office@vividengineers.com.au](mailto:office@vividengineers.com.au)

**[www.vividengineers.com.au](http://www.vividengineers.com.au)**

## Regional Offices

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Daylesford VIC 3460

### Queensland

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The Greenhouse,  
West End QLD 4101

