

## Civil Engineering

Advent Consulting Engineers (Advent) are passionate about providing value engineered solutions for our clients in civil engineering based on the overall project life-cycle cost approach, which underpins our strength and experience in various construction methodologies.

Our vision is to deliver high-quality smart designs that are cost-effective, safe, sustainable and constructable to create the ideal project, delivered on time and to budget.

## Civil Engineering Services

Our team at Advent works with clients to deliver complete civil engineering solutions from site assessment to project completion.





This includes:

- Suburban greenfield development
- Brownfield redevelopment
- Urban design and construction contract administration
- Feasibility assessment
- Development approvals and negotiation
- Sustainable/low impact design
- Master planning
- Road design
- Water sensitive urban design
- Flooding and drainage modelling
- Complex civil structures
- Land development on contaminated sites
- Dredging and reclamation
- Canal and lake waterways
- Development sites with deep excavations and site stabilisation
- Project Management

## Why Choose Advent

Advent provides high-quality, value added engineering solutions that give cost savings to our clients, by focusing on the four core areas:

**Cost** – by providing value for money, construction savings and increased earnings to our clients

**Reliability** – by using a proactive approach to stay aligned with our client's goals

**Trust** – by using solid processes to develop the right solutions, while focusing on building relationships

**Time** – by providing on-time delivery and be available when our clients need us

In addition, we focus on maintaining strong long-term client relationships, providing hands-on support and creating a collaborative team approach, which is evident from our client testimonials.

## Our Process

Our process starts with a formal inception meeting with our client to refine the design brief, identify key issues and agree on a design direction. The risks and opportunities are identified at this stage, and then addressed in our Safety in Design reviews.

We provide on-going regular design meetings to ensure our client is kept informed of the design from the start to the end.

Specifically, we provide Civil Engineering services for the entire

project cycle, which is focused on four distinct stages:

### Pre-Design and Concept Design Stage:

- Site assessment of existing conditions and constraints
- Review the initial project concept designs
- Develop alternative design options
- Feedback on the design brief
- Prepare schematic designs
- Preliminary design and sketches

### Design Development Stage:

- Identify a civil concept design
- Identify construction constraints
- Identify buildability issues
- Produce designs, reports and drawings for development approvals
- Review and implement all development consent approval conditions
- Design and detail Construction Certification drawings for tendering and construction

### Tender Documentation Stage:

- Prepare detailed quantity take off for tender documentation
- Prepare project specific specifications
- Prepare tender contract documentation
- Detailed Tender review and recommendation reporting

### Construction Documentation and Management Stage:

- Final contract document issue
- Verification and certification
- Work as executed submissions for infrastructure asset handover to relevant Authority

*We look forward to working together to deliver your project.  
If you have any questions, contact us using the details below.*

**Melbourne**  
**P:** +61 3 8555 4343  
2A/758 Blackburn Road  
Clayton VIC 3168

**W:** [www.adventconsulting.com.au](http://www.adventconsulting.com.au)  
**E:** [info@adventconsulting.com.au](mailto:info@adventconsulting.com.au)

**Sydney**  
**P:** +61 2 9836 3895  
3.17 A, 5 Celebration Drive  
Bellavista NSW 2153