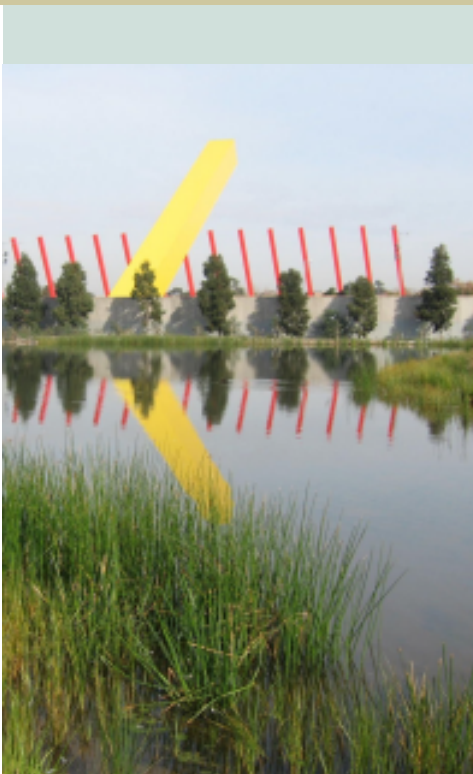


## ALLIANCE SERVICES



Civil infrastructure alliance projects require a specialist approach. The Cardno Grogan Richards team is focused on providing innovative, efficient engineering solutions that meet the exacting needs of infrastructure sector clients.



Cardno Grogan Richards Civil Group has the skills base to undertake a diverse array of infrastructure and alliance projects. We are established to provide a focus on the delivery of Infrastructure assets for Local and State Government bodies both direct and via alliance partnerships. We currently provide a Design Team for Citywide, providing long term design services for Citywides' contract for City of Melbourne Infrastructure Engineering Services. We are committed to providing dedicated design teams for alliance and long term contacts, providing day to day engineering services as well as access to the larger skill base of the Cardno Group resources where required to achieve project delivering and to create exceptional outcomes for your next project.

**LOCAL ROAD IMPROVEMENT WORKS**

**HIGHWAY AND ARTERIAL ROAD DESIGN**

**BRIDGEWORKS**

**INTERSECTION TREATMENTS: SIGNALS, ROUNDABOUTS, TURN LANES**

**TRANSPORT INFRASTRUCTURE**

**DESIGN AND CONSTRUCTION SERVICES**

**SPORTING FACILITIES**

**MAIN DRAINAGE INFRASTRUCTURE**

**RETARDING BASINS**

**STORM WATER TREATMENT WETLANDS / BIORETENTION**

**STORMWATER CAPTURE, STORAGE AND REUSE PROJECTS**

**SEWER AND WATER INFRASTRUCTURE**

**TENDERING WORKS**

**CONSTRUCTION SUPERVISION**

**CONTRACT ADMINISTRATION**

**PROJECT MANAGEMENT**



## **COMMITTED**

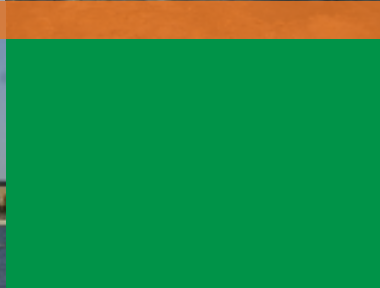
Cardno Grogan Richards' Civil Group provides clients with design, documentation, tendering and construction management. Client satisfaction and providing a quality service is a priority for any project we undertake. Our commitment to quality processes includes adherence to ISO 9001 accreditation.

We can provide specific design teams to work in alliance partnerships. An example is the Citywide Design Team, managed by Associate Hugh McCormick, working with Citywide Infrastructure to provide engineering services to City of Melbourne. Civil Business Unit Manager Ralph Lowe is the Principal responsible for the Civil group, servicing Infrastructure, Commercial, Land Development and Water Engineering projects, with over 50 staff in the Civil group. Specialist work groups are formed in response to specific projects, with work groups calling on our civil, traffic, structural and water resources as required to respond to specific projects. A strong focus on the overall project objectives and a continual design & review process by the Infrastructure team ensures the highest quality, cost effective solutions are achieved.



## RECENT CIVIL INFRASTRUCTURE PROJECTS

- Design services for Citywide, servicing the City of Melbourne
- Point Cook Dunning Road Intersection
- Moorabool Highway Intersection
- Harrington Road Stormwater Basin and Pump Station
- Simpson St Tunnel Stormwater Outfall Assessment
- Maffra Main Drainage Assessments
- Vineyard Road Watermain Relocation
- Carrington Reserve Stormwater Capture & Reuse
- Kingsway Signals and Road Realignment
- St Georges Road Accessible Tram Platforms
- Grinter Reserve Stormwater Harvesting
- Maroondah/Melba Highway Intersection
- Lower Dandenong Road/Nepean Hwy Intersection
- Yarram Central Business Area Drainage & Wetland



## INTERGRATED

Being part of a multidisciplinary company is a distinct advantage. When required, our team is in a position to call on the additional skills of the practice's Traffic, Structural, Construction, Water, Hydraulics and Land Development groups available both within our Melbourne office and elsewhere within the greater Cardno Group.

The Civil Group also provides tendering, contract administration and construction supervision services to ensure projects are completed in accordance with their intended purpose and functions.

Seeing projects through to completion of the construction phase ensures the details and the quality is not overlooked or compromised.

Our engineers and designers work closely with Local and State Government authorities at all levels. The integration of design solutions with existing authority assets to ensure workable, cost effective solutions is the key to our success and we have an excellent understanding of the design and approval processes required to work with authorities to make the design and construction process as seamless as possible.

Whatever your infrastructure project, Cardno Grogan Richards has the staff and resources to meet your needs and to provide an infrastructure design service within the context of a multidiscipline engineering practice. It's a difference that will help ensure an excellent result for the community.

## KEY TEAM MEMBERS

### Ralph Lowe

As the Civil Business Unit Manager and the Principal responsible for the Infrastructure Group, Ralph takes a keen interest in all Infrastructure Group projects. Reviewing and providing guidance to projects as they develop, his broad ranging civil design experience ensures optimum outcomes for clients.

### Hugh McCormick

Hugh is the Associate managing the Citywide Design Services team, leading a team of eight providing engineering services to Citywide Infrastructure within Citywide's office. He has over 20 years experience in the Commercial and Infrastructure civil engineering industry.

### Matthew Finnigan

As the Associate managing our Infrastructure Group, Matthew is the key to the delivery of all our major infrastructure projects. A civil engineer with over 20 years in the industry, Matthew's background in construction ensures a real commitment to working closely with his client to resolve issues during the design phase and deliver high quality, workable solutions that ensure the trouble free construction of infrastructure projects.



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