

Robelle Domain

design and construction

exceptional vision • imaginative solutions • **a community defined**



Client Springfield Land Corporation and Ipswich City Council

Location Springfield, Queensland

Delivery method Design and construct

Commencement date March 2009

Completion date May 2011

Budget to deliver \$30 million

Overview

Inspirationally creative, Robelle Domain has emerged as an engaging, diverse and vibrant public space that is rich in innovation and value for money initiatives.

Officially opened to the public in May 2011, Robelle Domain showcases JMac Constructions' ability to manage large multi-discipline design and construct projects, and transform even the most ambitious of visions into what can only be regarded as a stunning and versatile open space; a true destination and asset for the local community.

JMac Constructions was engaged as the principal contractor responsible for overall design management and construction activities. Responsibilities covered procurement risk, safety and environmental management, quality control, financial management, and the achievement of Australian Standards for all design elements.

Key deliverables included earthworks, landscape, structural, way-finding, DDA, electrical, lighting, drainage, sewer, irrigation and building, CPTED (Crime Prevention Through Environmental Design) for lighting design was also incorporated.

Today, Robelle Domain is an award winning parkland that stands as the central feature of Springfield Central Parklands and provides a vital link for the surrounding business, retail and educational precincts.

Robelle Domain was developed as a joint investment between Ipswich City Council, Springfield Land Corporation, and the Federal and State Governments.

Stunning features

With enough park furniture to fit out 60 typical sized suburban parks and ten football fields of turf, Robelle Domain has set a new benchmark in the design and construction of public open spaces.

Features delivered:

- Australian first ICON on GALAXY play equipment that combines play with the excitement of electronic gaming
- Amazing children's water park including 700 litre tipping bucket and jet sprays
- Creation of a 5,000m² lake and waterfall
- Stage and amphitheatre that sits 10,000 people
- Feature lighting, including 9m high artistic light towers and interactive surround sound audio
- 5km of pedestrian and cycle paths
- Custom designed shelters and arbours
- Vehicle bridge and timber pedestrian link bridges
- Amenities
- Car parks and link roads





An inspired team

Naturally collaborative JMac Constructions embraced the opportunity to work with Vee Design and transform the master plan vision into a reality.

JMac Constructions worked continuously with the landscape architect during the design and construction phases, providing design input and constructability advice. Using a positive and collaborative approach, the team refined the design and effectively addressed several issues that emerged including unforeseen geotechnical issues and latent conditions.

The value of JMac Constructions' relationship with the landscape architect generated inestimable results and cost savings. It created an immeasurable project environment and team culture that enthusiastically pursued practical yet innovative value for money solutions, whilst

ensuring the creative integrity of the master plan was attained without compromise.

"... by utilising the knowledge of both JMac Constructions and Vee Design collaboratively we have ensured the best possible design outcomes within the allocated budget."

David Hatherly, Director, Vee Design

Inspired by the natural creek line of Mountain Creek, native vegetation and distinctive assets, the master plan creatively achieved a visual and physical connectivity between the open spaces; sporting ovals; recreational and water play features; amphitheatre; and 500 metre water system that cascades through the park and undoubtedly stands out as an extraordinary natural feature.

Understanding and recognising natural elements and site topography enabled JMac Constructions to maximise the features of the natural environment to the

advantage of the design, and minimise unnecessary costs.

At completion the team delivered a number of design enhancements. These reduced the contract value and provided opportunity for the client to re-invest funds back into the parklands and deliver more scope than was initially anticipated.

"JMac Constructions' value-add and experience has been the major factor in the successful delivery of Robelle Domain..."

Russell Luhrs, Executive General Manager - Planning & Infrastructure, Springfield Land Corporation

Value delivered

Starting with minimal design, JMac Constructions managed a comprehensive value engineering process to deliver value for money every step of the way.

The result was an optimised design that incorporated a number of creative solutions to overcome constraints and issues, whilst also enhancing the parkland's features, appeal and versatility.

Key value for money solutions:

- Redesigned and halved the cost of a 700 litre tipping bucket in the children's playground
- Created four, 3.5 metre high turfed art pyramids
- Identified an opportunity to install 5km of conduits for future wi-fi hotspots and CCTV installation, which will minimise future installation costs and impacts
- Worked with designers and adjusted grading on-site to achieve full DDA compliant paths and negate full site survey requirement
- Imported over 5,000t of porphyry to line the creek and provide formal structure



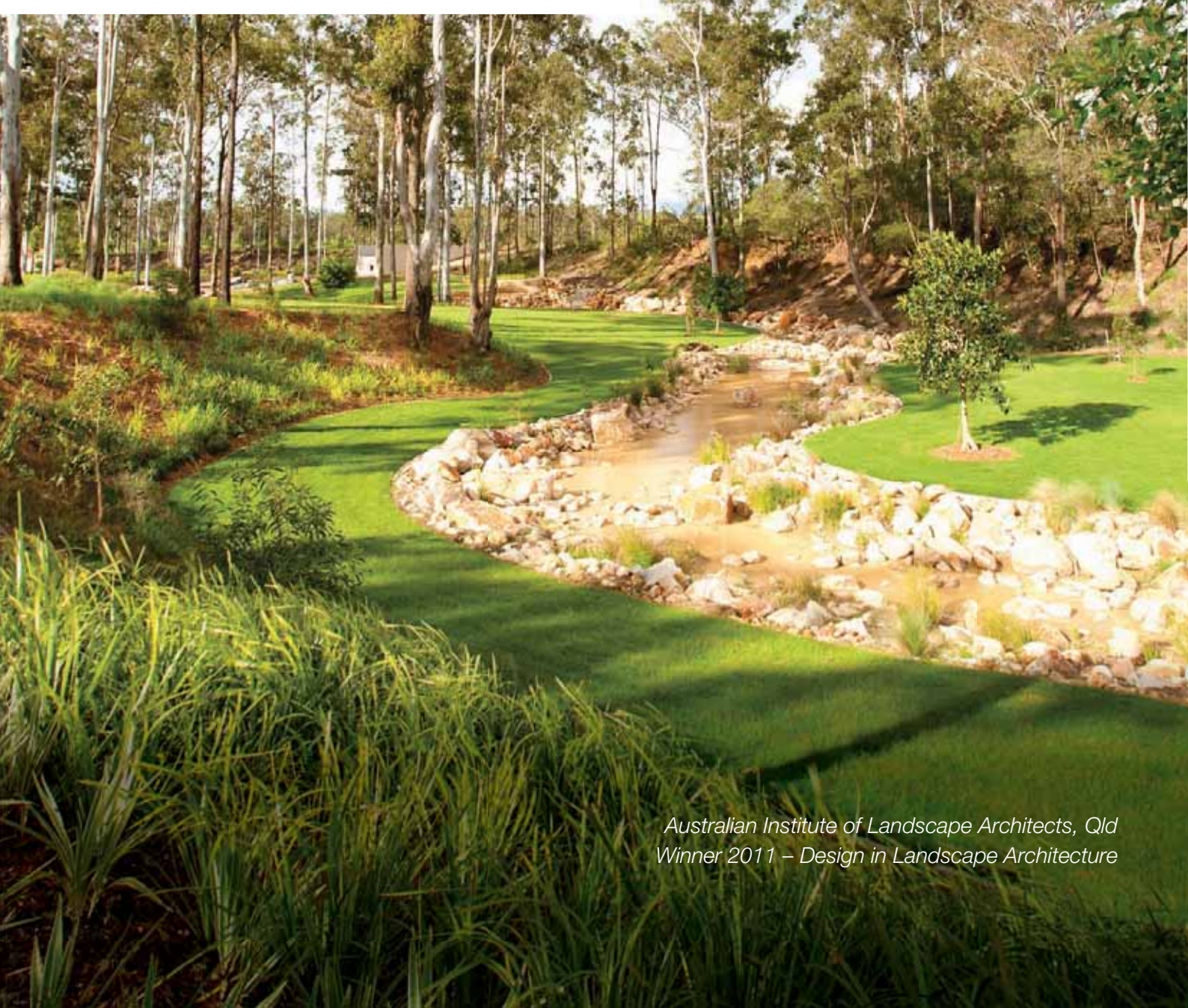


Illustrative master plan



Set across 25 hectares, Robelle Domain is an unsurpassable community space – versatile and fun – a true destination and experience.

Fifty percent larger than Brisbane's acclaimed Roma Street Parklands and forty percent larger than Brisbane's famous South Bank Parklands, Robelle Domain was the largest single staged landscape project ever undertaken in Australia. The transformation of this unused space into what stands today as a premier parkland is a tribute to all that were involved in its delivery.



*Australian Institute of Landscape Architects, Qld
Winner 2011 – Design in Landscape Architecture*



Established in 1975

JMac Constructions offers clients a partner that works side by side with their team, offering solutions that will transform even the most ambitious visions into vibrant and sustainable realities.

Established in 1975, skilled teams provide a wide range of services that span all forms of landscape construction.

What sets JMac Constructions apart is the skill and flexibility of its teams; its ability to optimise design outcomes through value engineering; and the company's financial capacity to work with clients on large single-stage or extended multi-stage projects including master planned parklands, urban designs, vibrant foreshore developments, and community and civil infrastructure.

In-house resources include a diversity of talented and experienced people including qualified tradespeople, horticulturalists, arborists, structural, civil and landscaping professionals.

The outcome for clients is consistency, exceptional workmanship, and certainty of time and cost every time.

www.jmacconstructions.com.au

info@jmacconstructions.com.au

our contacts

Head Office

Unit 2 - 53 Metroplex Ave
Murarie Qld 4172

PO Box 482
Morningside Qld 4170

T: 07 3902 9100
F: 07 3899 3013

Darwin

Shed 2 - 9 Graffin Crescent
Winnellie NT 0820

PO Box 38521
Winnellie NT 0821

T: 08 8947 6970
F: 08 8947 6979

Townsville

Level 1 - 57 Mitchell Street
North Ward Qld 4810

PO Box 361
Belgian Gardens Qld 4810

T: 07 4750 7070
F: 07 4721 6005

Mackay

Level 1 - 174 Victoria Street
Mackay Qld 4740

PO Box 11455 Canelands
Mackay Qld 4740

T: 07 4953 3010
F: 07 4953 3012

Sydney

Level 3 - 3 The Crescent
Homebush Bay NSW 2127

PO Box 354
Rhodes NSW 2138

T: 02 9475 6900
F: 02 9475 6999

Melbourne

Ground Floor 24 - 30 Camberwell Road
Hawthorne East Vic 3123

PO Box 1128
Camberwell Vic 3124

T: 03 9811 3475
F: 03 9882 6712