

PUBLIC OPEN SPACES PROJECTS

CAPABILITY STATEMENT



"Together we create better places"

About

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Foreword

Thank you for the opportunity to put forward our public open spaces capability statement which displays a variety of projects including; sports fields, playgrounds, parks & reserves, retaining walls, lighting and fitness equipment. The attached document sets out our capability and portfolio for your general interest.

Urban Solutions has extensive experience in delivering significant projects since our formation in 2001. We are adept and embrace working closely with local government clients, local communities and mana whenua to complete elegant designs that endure the elements. Key projects have been highlighted in the portfolio to demonstrate a broad range of projects that we are involved with.

Through offering a refreshing and compelling service that our clients appreciate, we assemble and manage the right expertise, undertake meaningful consultation to guide projects and provide a complete level of professional services to deliver outstanding results on time and to budget. With the philosophy that "Together We Create Better Places", we believe in a collaboration between disciplines to achieve outcomes that are to a high quality, functional and aesthetically pleasing. We strengthen our core team of engineers, landscape architects and project managers by partnering with our strategic specialist consultants. Working closely with firms like 4Sight and LDE provides Urban Solutions with specialist resources such as geotech, civil and structural engineering as well as resource consent planning and environmental assessments. By selecting the best people for the project we ensure we have the right mix of skills to deliver a result that you can expect.

We hope this capability statement is of interest to you and we are happy to work through any opportunities should you wish.

I look forward to hearing from you,

Sincerely,

A handwritten signature in black ink, appearing to be 'James Lee', written over a dotted line.

Visit our website www.urbansolutions.co.nz to learn about our services and view our diverse range of projects.

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Together We Create Better Places

Urban Solutions Limited is a multi-disciplinary project orientated consultancy that exists for the purpose of providing solutions for a growing urban habitat.

Urban Solutions tailor and manage transformative infrastructure projects that engage with communities and support meaningful and prosperous growth for the city at large. We have a proven 16 year track record in delivering high-profile infrastructure projects in the public open space realm.

Our client's projects are diverse and our areas of expertise are wide. We have managed everything from playgrounds

to pipelines, coastal restoration to community buildings with an emphasis on mindful and elegant design that will stand the test of time.

We strive to strike the right balance between the old and the new, redressing biodiversity and environmental factors as they arise while redefining how we live and work better in public spaces. We understand and align ourselves with each new project and its associated issues. Our strength is envisioning fresh ways of inhabiting and interacting within our urban spaces, and then making it happen.

*"We get things done by combining project specific talent and the practical application of project management best practice. We are fuelled by a real passion for contributing to the success of a sustainable, vibrant and healthy New Zealand future. **Judge us by our significant achievements in a diverse range of urban projects.**"*

- Lorenzo Canal



Strong and Effective Working Relationships

"Professional and useful people with a passion for creating solutions"

Our Team



Lorenzo Canal BE MIPENZ, CPEng, IntPE
Managing Director

Lorenzo Canal is a chartered professional engineer with over 20 years of experience. Primarily he specialises as an engineering project manager, planning and delivering government infrastructure based in Auckland.

In 2001, he co-founded Urban Solutions Limited, a project management consultancy based in central Auckland. For the past decade, Lorenzo has managed a large number of complex, infrastructure projects and portfolios across the parks and reserves, roading and transport, stormwater, coastal and urban streetscapes sectors.



Kirsten Dovey BE (Hons)
Project Engineer

Kirsten is a qualified engineer with 13 years of experience delivering local government projects and administering and supervising significant civil infrastructure and community asset projects.

She is experienced in providing project management from concept to closeout including design management, project cost and risk management procedures, public/stakeholder consultation and communications, construction monitoring, contract administration, management of consents & approvals and tendering processes and evaluation.

Kirsten is practiced at writing NZS3910 Contracts and managing works as the Engineer's Representative. She has strong technical capabilities as well as a focus on ensuring projects conform to current legislative guidelines, health and safety protocols, and quality assurance and compliance.



Chris Felton PRINCE2
Project Manager

Chris is a dedicated project manager with a work ethos of delivering excellent customer service.

He has 21 years of experience in the turf and golf course industry, with a further 5 years as a sports park specialist at Auckland Council, which has allowed for Chris to obtain a wide range of knowledge to ensure the needs of all stakeholders are met during project delivery. Chris believes that communication, planning and accountability are fundamental to successful Project Management and considers sustainability and the environment during all aspects of a project.



Simon Gasson BE (Hons)
Project Manager

Simon is a project manager with a degree in engineering and expertise in project delivery.

He has experience working on projects with transmission lines and various electrical assets, where he developed his project management and communication skills to lead projects from start to finish. Simon delivers projects within the given timeframe and under budget. He especially enjoys projects associated around active transport such as shared paths and bush tracks.



Maddie Palmer BAS (Landscape), MLA
Landscape Architect

Maddie is a landscape architect, who has an interest in designing recreation spaces within the public realm that are aesthetically unique and functional.

She believes in designing towards sustainable and resilient outcomes that achieve long-term resolutions. Maddie has experience in 2D and 3D programmes to create a range of concept and construction drawings, feasibility reports, rendered models and artist's impressions.



Kyle Swanson Civil En Tech Diploma
Civil Engineering Technician

Kyle is a civil engineering technician who believes in a creative and collaborative approach to finding solutions. Kyle attended SAIT in Calgary, Canada, and graduated with a civil engineering technology diploma. Upon graduation, Kyle furthered his professional development by assisting with the delivery of cast in place concrete skate parks for municipalities and communities.

Kyle has an interest in urban design and is passionate about community-orientated projects. He currently provides engineering and geotechnical support for a wide array of civil engineering projects, including; seawalls, cycleways and bush tracks.



Joshua Ackers BE (Hons)
Civil Engineer

Josh is a civil engineer, who has a passion for projects promoting the use and protection of New Zealand's coast and outdoor spaces.

He has previous experience working on the civil design for several medium scale residential and commercial developments throughout the Auckland Region, and has also travelled New Zealand performing structural inspections on cellphone towers. This has given Josh a skill set in effective client communication, project management, and civil design software use, which he is excited to use and develop on community enhancing, sustainable projects at Urban Solutions.



Louis Reed BE (Hons)
Civil Engineer

Louis is a Civil Engineer with experience on a wide variety of projects. He has been involved with the consenting, design, and construction stage project phases.

More recently he has been involved with the construction and maintenance of marine infrastructure and has assisted with developing coastal management strategies for government that consider technical, environmental and social needs. These experiences have given Louis the opportunity to develop his civil design and communication skills.



Jackson is currently finishing his Bachelor of Engineering in Civil Engineering at the University of Auckland.

At Urban Solutions Jackson is gaining valuable experience in preparing contracts and draughting designs. He is particularly enthusiastic about protecting several walking tracks around the Auckland region from Kauri Dieback disease.

Jackson Zheng BE (Currently completing)
Junior Engineering



Jake is a results-driven civil and coastal engineer with an engineering background covering a range of roles.

Jake has worked a variety of projects including transport and civil structures and believes that good project management is about forming great relationships. He is an excellent communicator, an effective negotiator and passionate about projects that enhance the natural environment.

Jake Allen BE (Hons)
Civil Engineer

Partnering Consultants

To complement our public open space project design and planning where needed, we regularly work with a number of specialist consultants that we share office space with. Below are a few key professionals who we regularly partner with from LDE, NZSTI and 4Sight.



Aaron Holland BEng (tech) MIPENZ CPEng
LDE - Civil Engineer

Aaron has more than 25 years of engineering experience and is a Senior Chartered Civil Engineer.

He has managed numerous structural and civil design projects in the Auckland region and has experience in coastal infrastructure design and civil infrastructure development. Aaron also has experience in the design of jetties, boat ramps and sea walls and has conducted environmental engineering including flood level analysis, coastal inundation, erosion and sediment control planning.



Alex Glasgow
NZSTI - Technical Director,
Agronomy

Alex is the National Technical Director and an agronomist for the NZ Sports Turf Institute. He has been involved in wide range of sports turf construction and maintenance projects throughout New Zealand and internationally.

His specialist areas include sports field design; construction and maintenance; environmental and sustainability issues relating to sports turf; golf course construction and maintenance; golf course design and horse racing tracks.



Simon Karl BSC
4Sight - Coastal Planner

Simon Karl from 4Sight is highly proficient at producing technical leadership of planning assessment and consenting components of projects. Simon is also well equipped to lead delivery of any ecological work or any contamination issues should they arise.

Simon is experienced at reviewing and understanding complicated engineering information, then preparing well written technical reports for government and commercial sectors. He is well versed in the high standards of ratepayer-focused services required for Local and Central Government projects.



Sean Rooke NZDS
Surveyor

Sean is a surveyor with a National Diploma in Surveying from Technikon Natal. He is a professional and dedicated surveyor who produces high quality deliverables.

Over the past 20 years Sean has been involved with a wide range of surveying applications. Sean's experience ranges from boundary surveys in the high Arctic to engineering surveys for the Manukau Rail Link (DART 9). He is well versed in producing topographical surveys to the highest standard and understanding that comprehensive surveying sets the foundation for an effective project.



Typical Project Lifecycle



* Above typical project scope and lifecycle is specific to project needs

Areas of Expertise



COASTAL



- Seawalls & revetments
- Wharves, Jetties & Pontoons
 - Breakwaters
- Beach Replenishment
 - Boat Ramps
 - Marine Facilities
 - Drystacks
- Sea Level Rise Adaptation
- Naturalistic Headlands and Groynes
 - Dune Restoration
 - Slipways



STORMWATER



- Public Stormwater
 - Drainage
 - Wetlands & Ponds
- Flood Protection Schemes
- Underground Utilities



ACTIVE TRANSPORT



- Shared Paths
 - Footpaths
 - Bush Tracks
 - Cycleways
 - Boardwalks
 - Stairs
- Pedestrian Bridges
- Retaining Walls
- Amenity Lighting
- Kauri Dieback Mitigation



PROJECT MANAGEMENT



- Client Side Project Management
 - Programme and Portfolio Management
- Business Cases and Project Strategy
 - Project Planning and Reporting
- Procurement Strategy, Tendering and Contract Management
 - Risk and Issue Management
- Cost Management and Quantity Surveying
- Stakeholder and Iwi Engagement
 - Professional Services Contract Management
- NZS3910 Contract Management and Engineer to Contract
- Project Closeout and Operational Handover



PUBLIC OPEN SPACES



- Carparks
- Streetscapes
- Playgrounds
- Soft Landscaping
- Courts & Hard Surfaces
 - Lighting
- Street Furniture
- Art Installation
- Fitness Equipment
 - Park Assets
- Sports Fields & Turfs
- Changing Rooms & Toilets
 - Building Renewals



Public Open Spaces Portfolio

Our portfolio shows a depth and breadth of experience in designing well-functioning, environmentally sustainable and elegantly designed public open space projects. The projects outlined have all been well received by our clients and the community.

St Anne's Hall Retaining Wall

Browns Bay, Auckland

- Client:** Auckland Council
 - Completion:** 2019
 - Services:** Project Management, Tender Documentation, Construction Monitoring
 - Scope:** Renewal of a failed retaining wall and carpark remediation
 - Budget:** \$100,000
- In 2017, the retaining wall for St Anne's Hall carpark in Browns Bay failed. As a result, part of the carpark had to be cordoned off, restricting usability for hall users. Urban Solutions was engaged in late 2018 to prepare tender documentation, project manage and provide construction supervision of these works.
- The works included renewal of the failed retaining wall, carpark remediation and renewal of the balustrade to tie into existing.
- The carpark has now been reopened and provides the community with full of the carpark once again



Western Park Playground

Freemans Bay, Auckland

Client: Auckland Council

Completion: 2016

Services: Contract Management,
Client Representative,
Construction
Supervision

Scope: Playground
Refurbishment

Budget: \$259,000

Western Park is one of Auckland's most notable open spaces that provides a recreational environment for all users. Auckland Council's vision was to refurbish the existing play space into a more appealing environment that contains users for longer periods, while offering a variety of experiences for all age groups.

The Auckland Council design team were the lead designers in the completion of the design documentation, before engaging Urban Solutions to manage the project from the design feasibility report through to completion of construction. Urban Solutions also supported the engineering design of the playground.

The result is a modern urban environment for which our client is already receiving praise from the local community.

*"Urban Solution Limited provided excellent project management service for delivery of the Western Park playground upgrade works. **Their proactive and approach led to the successful delivery of a difficult project** where managing various suppliers simultaneously and getting the project delivered within a specific timeframe was a key component."*

- Vadna Kirmani, Community Facilities



Sunny Crescent Playground Renewal

Kumeu, Auckland

- Client:** Auckland Council
- Completion:** Ongoing
- Services:** Concept design, consultation, developed design, approvals, detailed design
- Scope:** Playground design
- Budget:** \$440,000

The existing playground situated on Merlot Heights Reserve is due for renewal, however the current site does not allow for enhancement or expansion of the playground. An opportunity has been created to use Auckland Council renewal funds along with additional funding to develop a new playground for children aged 0-12+.

Sunny Crescent Playground is a proposed play area situated in the reserve adjacent to Sunny Crescent. Urban Solutions was asked to develop a concept design for the playground. The design follows a 'fruit bowl' concept and seeks to create formal and informal play through chosen equipment and the designed spaces, highlight the local history in horticulture through the planting palette and bright colours, and preserve the strong pedestrian connection through the site.



Waiuku Sports Park

Waiuku, Auckland

- Client:** Auckland Council
- Completion:** 2017
- Services:** Project Management, Construction Monitoring
- Scope:** Installed Carpark, Renewed Sports Field, Installed Toilet Block, Footpath and Lighting
- Budget:** \$2.1 Million

Waiuku Sports Park is a multi-sport and recreational facility owned by the Waiuku District Rugby Football Club Incorporated (Waiuku Rugby Club), Waiuku College and Auckland Council. The Franklin Local Board allocated funding to resolve key issues including: public access to the gymnasium, optimise usage of sports fields at Waiuku Rugby Club, provide changing facilities for high school students and construction of a new carpark. The Franklin Local Board aims to achieve greater community involvement through improving open spaces and facilities that promote physical and recreation activity.

Waiuku Sports Park was project managed by Urban Solutions from concept to completion. The project was supported by NZSTI, LDP, Opus and 4Sight Consultants who provided specialist skills to ensure the project was completed successfully and to a high standard.

Undertaking the management of the design process and scope, Urban Solutions met the budget constraints, delivering on time to meet the expectations of stakeholders. We provided on-going monitoring of the construction to meet specifications and communicated daily with the project manager to ensure coordination of activities during construction works.



Fowlds Park

Mount Albert, Auckland

Client: Auckland Council

Completion: 2018

Services: Construction
Supervision

Scope: Footpath, 242 Wooden
Bollards, A Barbeque,
Fitness Equipment

Budget: \$438,000

Fowlds Park is an extensively used park on the outskirts of the Auckland CBD. Mainly used for fitness, leisure and recreational activities, Auckland Council identified in 2017 that the fitness equipment required renewing due to its poor condition. The opportunity was taken to design new fitness equipment and upgrade the connecting path through the park, from the main carpark to Park Gate Ave.

The footpath was installed in 3 stages to minimize effects on people using the park. During the installation of the fitness equipment, several variations were required due to unforeseen issues.

The newly designed fitness equipment was relocated along the upgraded path. The new path design took into consideration the pedestrian flow to improve connectivity within the existing path network. The entrance to the park was upgraded along with 242 wooden bollards and a barbecue.



Beach Haven Community Space

Beach Haven, Auckland

Client: Auckland Council

The Beach Haven Community Space was constructed at 364 Rangatira Road, the site of the old post office. Weaving interactive, cultural and historic narratives, this new space is an inspiring community park. The challenge was to bring the community's vision and ideas into reality. Intricate, innovative and bespoke landscape elements are what make this project stand out.

Completion: 2015

Services: Contract Management, Construction Management

Scope: New Playground, New Boardwalk

The project includes a nautical-themed playground, a small stage for events, a new boardwalk to link the car park to Rangatira Road and new landscaping to enhance community engagement across multiple levels.

Budget: \$338,000

Awards: Resene NZILA Pride of Place - Category Winner: Community Design - 2017

The joy this project provides to its community is a direct result of the design and build process, achieved through successful collaboration. Cognisant of the commitment and coordination required with such a large group of stakeholders, the successful cohesion between designers, client, artists and local community is to be admired and congratulated.

Auckland Council engaged Urban Solutions to act as project managers. This space was heavily community driven and the local board funded the project to transform a vacant lot into a vibrant community space.



Keith Hay Park Carpark

Mt Roskill, Auckland

Client: Auckland Council

Completion: 2014

Services: Construction
Supervision

Scope: 7,000m² Full Carpark
Renewal and Extension.
Garden Landscaping
and Footpath
Installation

Budget: \$2.15 Million

Keith Hay Park is home to a large group of diverse stakeholders including Tri Star Gym, Cameron Pools and one of Auckland's biggest football clubs, Three Kings United. To cater for the growth of these user groups and the surrounding community, a master plan was developed by Auckland Council for the park. The first stage of the plan was to upgrade the main carpark.

Urban Solutions were engaged to monitor the construction of the upgrade. The design catered for an increase in the total number of carparks, rising from 181 to 243. In addition, low impact urban design strategies were implemented to improve the carpark's amenity by planting new trees and swales to treat stormwater run-off before being discharging into Oakley Creek. A pedestrian plaza with seating and planting was designed at the entrance of the Tri Star Gym and Cameron Pools, and a new toilet was constructed at the southern end of the carpark.

Challenges addressed throughout the construction phase included working with underground services and land stabilisation, while maintaining the operation of the carpark and facilities at all times.



Business Information

Health and Safety Policy

Urban Solutions Limited (the Company) regard the promotion of Health and Safety measures as an objective of directors, management, staff and contract personnel. The policy is written for the protection and maintenance of the health and safety of the Company's workers on the work site. The Company is committed to taking all steps necessary to reduce health and safety risks to as low as reasonably practicable.

The Company will achieve this by:

- Complying with the requirements of the Health and Safety at Work Act 2015;
- Providing and maintaining safe working conditions taking into account statutory requirements to promote an accident free workplace;
- Ensuring that all employees have read and understood, and have access to the Company Health and Safety Policy which is stored in the head office as well as in a shared online folder accessible to all staff and subcontractors.
- Promoting a health and safety conscious culture;
- Providing procedures, training and equipment necessary to reduce risk of employees being harmed while at work;
- Placing health and safety issues before commercial interests;
- Recording and investigating all accidents and near misses that may occur;
- Ensuring that specific hazards to the public related to works controlled by the Company are identified in the site specific safety plan and safeguards are in place and audited to prevent, control or mitigate risk of harm.

All employees have been consulted and agree with the aforementioned to conform to this policy. All Company employees are reminded that they have a legal responsibility to take reasonable care for the health and safety of themselves, their colleagues and any visitors to Company premises or worksites.

Health and Safety Pre-qualification

Urban Solutions is currently pre-qualified by impac Prequal Cat 2 with a 5 star rating. Valid from 19 May 2019 to 19 May 2021.

Sustainability Policy

Urban Solutions Limited is committed to leading the industry in minimising the impact of its activities on the environment.

The key points of its strategy to achieve this are:

- Actively promote recycling both internally and amongst its customers and suppliers.
- Meet or exceed all the environmental legislation that relates to the Company.
- Commit to a shared office based accredited program to offset the greenhouse gas emissions generated by our activities with like minded organisations.
- Minimise waste by evaluating our office and field based activities and ensuring they are as efficient as possible.
- Evaluate our transportation activities and minimize greenhouse emissions and wisely use energy sources.

