

PLANNING PROPOSAL LANDSCAPE ARCHITECTURAL AND PUBLIC DOMAIN DESIGN REPORT 09.05.22

MARSFIELD COMMON

TG MILLNER FIELD 146 Vimiera Road, NSW 2122





Prepared for

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Landscape Planning Proposal 09/05/2022

This report 2020115-LD-DR000[1]should be read in conjunction with Landform Studios Landscape Planning Proposal drawings (Appendix A) 2021017-LD-PP100-200[Rev 1], dated May 2022. Prepared by Landform Studios

This Design Report provides an explanation that verifies how the development addresses how design quality principles are achieved, and demonstrates, in terms of the Government Architect's Design objectives for Better Placed, Designing with Country and Greener Places as well as Ryde City Council's Public Domain Guidelines and how the objectives and relevant sections have been achieved.

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This document has been prepared in collaboration with:









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Appendix A - PP Drawing Set Marsfield Common

ACKNOWLEDGMENT **OF COUNTRY**

We acknowledge the Wallumedegal people, the traditional Owners and Custodians of the land in which the our site is located and in which we gather, and pay our respects to the Elders past, present and future.

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CONTEXT & SITE



LANDSCAPE & PUBLIC DOMAIN PLANNING PROPOSAL REPORT [V1]

INTRODUCTION



Project Overview

The project involves the submission of a Planning Proposal to Ryde Council for TG Millner Field. The site is to be developed for low density residential including extensive public domain upgrades and a large public open space dedicated to Council and the community. This design report demonstrates the quality of the public domain and private open space provisions and embellishments.

Design Process

Landform Studios, DKO Architects and Northrop Engineers have teamed up to develop the planning proposal submission and have worked extensively in supporting a landscape led approach to masterplanning resulting in a proposal that is highly vegetated, prioritising canopy coverage biodiversity in the final outcome.



The Offer (Snapshot)

- Public Domain (Footpath) Upgrade of 1200m2
- New Public Open Space of 10,000m2 with a 9,500m2 Public Park and a 500m2 Pocket Park/Reserve. The Central Park consists of over 2000m2 of varied play space for all ages and abilities and approx 700m2 of sports and leisure court areas.
- The site provides an additional 570 new trees to be planted
- Approx 65% total site tree canopy cover across the precinct
- New tree lined streets and shared laneways WSUD initiatives including bioretention systems, streetscape raingardens & permeable pavement



MAIN PLANNING PROPOSAL REPORT [V1] LANDS

WATERLOO PARK

> MACQUARIE **UNIVERSITY SPORT** and AQUATIC CENTRE



min



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BACKGROUND

number of parks with a particular focus on sport and recreation. Approx 8 parks lie within a 10min walk with the majority being sports ovals and reserves with a further 6 notable open spaces being within a 20min walk including a number of sports and aquatic centres.

Public Transport

The closest heavy rail station to the site is Macquarie Park located approx 2km walk from the site with buses acting as the primary mode of public transport.

Summary of Findings

- There is a heavy focus on education, recreation and sport in the region.
- There is a need for more diversity in all ages play in the area.
- The site has become disconnected with the Terry's Creek corridor over time.
- There are approx 12 schools and educational institutions

STRATEGIC CONTEXT

RELEVANT POLICIES, GUIDELINES AND CONTROLS

The proposal responds to relevant design guidelines and policies promoting good design to align with both State and Local Council design objectives for a well-designed built environment.

BETTER PLACED and GREENER PLACES (GANSW)

Good design is fundamental in creating better places, considering the needs of people and the community. The NSW EP and A Act has been amended to include the new design objectives, reinforcing the importance of good design and amenity in the planning process.

- To promote good design and amenity of the built environment
- To promote the sustainable management of built and cultural heritage (including Aboriginal cultural heritage)

GANSW policies and guidance form the line of sight from the Environmental Planning and Assessment (EP and A) Act amendments to include the promotion of good design and amenity of the built environment.

OBJECTIVE 1. OBJECTIVE 2. Better Better performance fit contextual, sustainable, local and adaptable of its place and durable OBJECTIVE 3. OBJECTIVE 4. Better for Better community for people inclusive. safe, comfortable connected and diverse and liveable OBJECTIVE 5. OBJECTIVE 6. OBJECTIVE 7. Better Better **Better look** working value and feel functional, creating and engaging, efficient and adding value inviting and fit for purpose attractive

OBJECTIVES FOR GOOD DESIGN (GANSW)

A well-designed built environment is:

Healthy for all members of our communities, promoting physical activity and walkable environments, social cohesion, and community safety and security to support people's wellbeing.

Responsive to the needs and aspirations of local people, now and into the future, inviting innovative use and habitation, interaction, productivity and enjoyment.

Integrated by drawing together the relationships between parts and elements, considering interfaces at multiple scales, and working to common goals and aspirations.

Equitable by presenting opportunities for all segments of our community so residents and visitors have access to and can move about freely between public domain, infrastructure, open space and buildings.

Resilient to the dynamic, challenging conditions of our time, to adapt and evolve while retaining essential qualities and values

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VISION & STRATEGY



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SITE OBJECTIVES



A SAFE CONNECTED COMMUNITY

A welcoming neighbourhood that creates a sense of belonging and security whilst being connected to the wider local community of quality schools and local lifestyle amenity. The proposal expands on the sites existing assets and creates a new community destination. We aim to create resilient communities with shared spaces and encourage community support and engagement.



SUSTAINABILITY AND INNOVATION

We aim to create resilient spaces harnessing innovation and a commitment to a sustainable community for all. The proposal aims to increase Urban canopy and City greening with a minimum 65% site canopy coverage achieved through implementation of trees and 'green' canopy structures to mitigate heat island effect. WSUD principles are also explored through blistered kerb WSUD planting

HARMONY WITH NATURE

Biophilic design principles influence the urban design to balance built form with natural landscape. Supported by generous open spaces vegetated corridors and selective tree-planting to enhance the beauty of the site. We aim to create a Green Heart to the development with an emphasis on tree canopy , natural materials and sustainability.

A HEALTHY LIFESTYLE

A site designed for a healthy, positive lifestyle with public spaces, active linkages, sporting facilities and nearby access to township amenities and transport. We aim to enhance the existing site with connections to existing reserves and the wider context.





DESIGN PRINCIPLES



Connection with Nature and Biodiversity

The landscape proposal is driven by the protection and enhancement of the existing pockets of endemic vegetation communities and celebrating these areas by allowing people to connect and engage with the natural environment.

The proposal seeks to not only strengthen the connection between people and nature but also to strengthen the connection between existing biodiversity corridors such as the adjacent Terrys Creek vegetation corridor.



Community and Social Connection

The public open space and new streetscapes promote the new community to connect, engage and care about their fellow neighbour and the existing community surrounding the site. The spaces have been designed to encourage social connectedness and in turn build the resilience of the community so they can come together during times of duress and bounce back effectively and quickly. In addition, this connectedness will also enable the sharing of stories and memories instilling a strong sense of place and ownership over their land and homes.



Place and Identity

To create a high quality parkside development involving an active large public open space appropriate to the local urban setting and needs of the community. The sense of place of the site will restore, reinforce and forge a new community identity and sense of ownership.

Marsfield Common pays homage to the site's past and connection with the Terry's Creek riparian corridor, re-establishing and reinforcing existing vegetation corridors, and embedding the strong sense of nature within the park design.

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EMBEDDING A SENSE OF PLACE

INDIGENOUS HISTORY

Aboriginal people lived for thousands of years in what we call the City of Ryde. When the first Europeans settled at Sydney Cove in 1788 the traditional owners of this area were the Wallumedegal. The land named the Field of Mars was a region of forest and waterways, country of the Wallumedegal people. Their name was derived from wallumai, the snapper fish once found in plentiful numbers in the rivers here.

DESIGN WITH COUNTRY PROCESS

A Designing with Country / Indigenous Design specialist will be engaged as part of the next phase of the process to ensure a strategy and approach is embedded into the site early at the appropriate stage of the design process. This is integral to ensure an appropriate and sensitive response to country is achieved and to also ensure the site's long standing history and sense of place is celebrated with the indigenous communities of Ryde and Marsfield.

COLONIAL HISTORY

In 1804 an area of 6000 acres of the **Field of Mars** was decreed as a common.

The area, named by Governor Phillip after land grants made to marines, was bounded to the south by the Parramatta River and to the north by Boundary Road.

The common stretched from what is now Hunters Hill, through Ryde to Pennant Hills, incorporating a large tract of forest around the Lane Cove River. It was intended as a resource for small settlers, a place for them to graze their livestock and collect firewood, to supplement their farming practices.

THE [LOST] GREEN BELT

Much of the North Ryde/ area was covered by green belt zoning under the County of Cumberland Planning Scheme. The scheme was adopted in the immediate postwar years, with the green belt conceived as a girdle of rural open space encircling the urban districts ... ensuring for all time ready access by urban populations to countryside specially planned and maintained for their benefit.

By the late 1950s, the original boundaries of the green belt were being revised in various parts of Sydney. In December 1959 1,700 acres (688 hectares) in the North Ryde green belt were released for rezoning.





Bidgee Bidgee 1803



Sydney's Original Green Belt Plan

PROTECTING EXISTING BIODIVERSITY CORRIDORS









One of the key strategies of the proposal is the retention of a number of existing corridors of significant native trees on site. These connected areas of endemic vegetation currently provide important environmental & ecological benefits to the Marsfield region and wider Lane Cove National park system as well as being important habitats for local flora and fauna to thrive and prosper.

These corridors also currently act as a natural buffer for the site to adjacent residential areas, an important landscape element the proposal seeks to retain for future development





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THE MASTER PLAN



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DESIGN STATEMENT



Public Domain and Streetscapes

An improved streetscape to Vimiera Rd and a new internal street network have been proposed as part of the development offer to ensure seamless transitions throughout the ground plane and into the adjacent communities.

Access, Egress and Connectivity

The site has been designed to promote precinct wide permeability and connectivity to the surrounding residential areas and Vimiera Rd. Egress has been provided at 2 key locations in and out of the site at Vimiera Rd with an additional pedestrian egress point provided at Thelma St.

CPTED, Safety and Visibility

Any raised edges or planter walls are at seating height or lower allowing clear sight-lines and visibility throughout the open space. Trees are used to frame spaces and ensure clear visibility to and from the streetscape at all times.



Regular congregation spaces enables passive surveillance to all areas, discouraging undesired behaviour and possible blind spots. In addition, appropriate and attractive lighting will be implemented to enhance safety and visibility for the community and residents.

Universal Access and DDA Compliance

The ground plane offers full universal accessibility to all areas including within the dedicated public open space with maximum 1:21 grades across an undulating terrain reducing the amount of handrails and clutter in the public realm generally.

MASTER PLAN DESIGN

Marsfield Common will become a place of enhanced well-being where natural systems are rehabilitated and celebrated, a place where communities connect and where people have access to state of the art open green space, tree lined streetscapes and nature at your doorstep.

Public Open Space

The public open space is created around stands of existing trees and biodiversity corridors, forming a neighbourhood-scale public open space for both passive and active recreation. The space provides a variety of active program, open to air experiences which promote community connectedness with the natural environment. Some of these experiences include active and adventure play, nature play, multi use court games and areas for social gathering including passive spaces for seating & relaxation.

Streetscapes & Laneways

The proposed street and laneway network promoted positive green infrastructure & WSUD principles such as perforated kerbs, raingardens,permeable paving as well as including significant tree canopy coverage to mitigate urban heat island affect and create a comfortable streetscape experience for residents and visitors,









Scale 1:1000 @ A3

MASTER **PLAN KEY AREAS**

- The Common Public Open <u>Space - An inclusive and</u> public open green space with extensive play areas, flexible central green and sport and recreation amenities.
- The Main Loop Road acts as • the primary vehicular and pedestrian circulation route with 2 entry/exit points to Vimiera Rd.
- New Streets and Laneways • feed off the main loop providing access to residences and allowing permeability and extensive street tree planting across the site.
- Low Rise Residential is • designed throughout the precinct in the form of townhouses with generous lot sizes and garages. The lot sizes allow for additional tree planting and greenery across the site.



PUBLIC OPEN SPACE CHARACTER



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STREETSCAPE CHARACTER



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RESIDENTIAL CHARACTER



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MASTERPLAN FRAMEWORK

Street Network

New streets and shared laneways stitch the site into the surrounding context with the primary loop road being dedicated back to Council as public domain. The proposal creates a sense of connectivity and cohesion between new and existing residential fabric.

Public Open Space

The site is anchored by a generous 9,500m2 public open space for the local community with an additional 500m2 pocket park reserve at the junction with Thelma St

Pedestrian Network

A highly connected and safe pedestrian network of footpaths and shared paths create universally accessible public domain.

Tree Planting Corridors

A series of connected vegetation corridors surround the site and provides a soft buffer to adjacent properties whilst facilitating habitats for local flora and fauna.

Hydrology & Drainage

The site falls East to West approximately 10m with a low point in the South-West corner of the site. An underground OSD tank is proposed to be constructed beneath the public park to mitigate flooding during high rainfall events. The streetscapes contain WSUD infrastructure which will also aid the filtration. treatment and slowing down of stormwater run off before it meets the low point of the site and disperses back into the wider catchment system. Refer to Northrop engineers design report for further information on drainage strategy.

Built Form

The proposal offers a variety of low-rise medium density housing options with sizeable lots and amenities for young families and downsizers in the area.

The built-form footprint allows the masterplan to embrace its landscape setting and allow for greenery to be an everyday amenity and feature for future residents to enhance people's connection with the natural environment. Significant high retention valye trees have also been prioritised in the design layout of lots and houses. Refer to DKO Architecture design report for further information on built-form and master plan design.



Street and Laneway Network



Pedestrian Network and Universal Access







Hydrology and Drainage



Public Open Space



Tree Planting Corridors



Built Form Footprint



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TREE PLANTING AND CANOPY COVERAGE

The proposal seeks to maximise site wide tree canopy coverage to combat and mitigate urban heat island effect and create comfortable spaces with shade amenity. In addition the retention of a number of significant native tree species has allowed these important biodiversity corridors to be retained along with the valuable tree canopy coverage they currently provide across the site.

Through these initiatives, the site achieves 65% site wide canopy coverage with approximately 570 new trees proposed to be planted.

This in turn supports the NSW Premier's objectives to plant 1 million trees by 2022 in line with the GANSW Greener Places Guide and exceeds the 40% tree canopy target set out in the District Plan and Draft Urban Guidelines.



DESIGN OUTCOMES



INCREASED TREE CANOPY

The retention of key existing trees and the provision of new public domain spaces will enable the site to increase it's current tree canopy coverage by an additional 35% to a total of 65% to further mitigate Urban Heat Island effect and create comfortable spaces around homes and within the public domain.



IMPROVED PUBLIC DOMAIN

The master plan provides a number of public domain spaces, which enrich both leisure and recreational opportunity across the site.









ENHANCING LOCAL BIODIVERSITY

The proposal will enhance existing biodiversity corridors and and further supplement with extensive areas of native vegetation to ensure the long term health snd stability of local flora & fauna.



A CATALYST FOR HEALTHY LIVING

The project will activate the precinct and become a catalyst for the area with recreational open green spaces, outdoor fitness and well-being spaces and a state of the art all inclusive play precinct promoting active and nature play.

*Note figures approximate and are subject to design development.











SITE SECTIONS





SECTION BB



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THE PARK







PARK DESIGN

The Common is a shared landscape between people and ecology. It is a welcoming space that caters for all ages, diversities and abilities and offers varied program, universal access and circulation to all key spaces including a dynamic series of active, fitness and natural play areas and a continuous health and fitness loop around the entire park promoting healthy living and an active lifestyle.

The park is anchored by a large central green which is a flexible open green space that caters for all types of recreation from ball games, yoga, fitness and passive recreation such as providing areas of seclusion where people can sit and gather under the trees and escape their everyday hustle and bustle.



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A LAYERED EXPERIENCE

The park is made up of a series of design layers which respond to people and nature coexisting in the public realm. A series of hard and soft landscapes encompassed by a dense spread of tree canopy cover, The Common provides a varied experience and offer to the local and wider community of Marsfield and Ryde. The loop path intersects with a range of program such a multi-purpose courts, a feature sandstone amphitheatre, BBQ and picnic pavilion precinct, Adventure and Nature Play spaces and a sprinkling of active outdoor gym spaces which are evenly distributed along the loop path acting as an informal health and well-being circuit.







Trees and Canopy

- ---- Sandstone Amphitheatre
- ---- Picnic Pavilion
 - ---- Multi-purpose Courts
 - ---- Outdoor Fitness Station

Program and Activation

- Planter bed (Medium Height)
- Planter bed (Low Height)
- Planter bed (Medium Height)

Planting and Gardens

Main Loop Path (accessible)

Access and Circulation

THE CENTRAL GREEN



The park is anchored by a large central green which is a flexible open green space that caters for all types of recreation from ball games, yoga, fitness and passive recreation for all ages and abilities. Slight mounding to the edges help frame the space and define the green from the rest of the park whilst also providing small vantage points to sit under the trees and people watch.

The green has the ability to faciliate programmed sport and half sized fields for gala days and sport recreation events



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ALL AGES ACTIVE PLAY & RECREATION



The active play and recreation precinct tunes into people's intuition to explore, to be active, to play games together and continually find ways to challenge themselves in a vibrant, colourful and undulating landscape.

Activities such as climbing & parkour, table tennis, fitness areas, spaces for yoga and tai chi and sensory elements are scattered throughout creating an explorative journey from start to finish with a series of challenges along the way that promotes social connection, teamwork and problem solving skills for people of all ages and abilities.





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NATURE PLAY AND **TREE HOUSE WALK**



The nature play precinct engages childrens senses and their instinctive connection with nature and greenery. This connection is represented through a series of activities embedded in an existing natural reserve with established flora and fauna, a magical place where children can create their own journey through nature in a playful way.

The feature offer is a series of structures that sits in and around large existing trees allowing kids to engage with the tree tops just as much as the ground level with a series of tree houses acting as social pit stops along the way.





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SPORTS AND LEISURE QUARTER



The sports quarter is anchored by a multi-purpose court space where sporting activities such as basketball, netball, hand ball, badminton and table tennis is facilitated in a highly social space for people of all ages to use in a safe social setting.

Bleacher style seating and loose furniture promote moments of gathering and interaction with your fellow neighbour whilst taking part in an active and healthy way of life.





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AMPHITHEATRE TERRACE



A feature natural sandstone amphitheatre provides a stunning backdrop to the central green. Located in a prominent position in the park, the amphitheatre gives people an opportunity to sit and take a moment, people watch, read a book or draw and sketch under the trees with a great outlook over the park.

The terraces have amenities for comfortable seating and scattered planting to add diversity and warmth to the terrace.





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PICNIC PAVILION AND NATIVE GROVE



A large bespoke pavilion sites centrally in the park where BBQs, birthdays and other celebrations can occur regularly for the local community.

This floating and light-weight structure sits amongst a beautiful grove of native eucalypts with numerous spaces to sit and gather under the tree canopies with a coffee and lunch in hand to check-in with neighbours, family and friends throughout the day.





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PARK **OPTIONS &** RECREATION CAPACITY





Mini Soccer/Rugby Field [20 x 40m]





Basketball/Netball/Tennis Court multipurpose court

Badmington Court

Table Tennis

Current Option (Preferred)

Option 2 - Active Play Area Replacement For Programmed Recreation



PLANTING PALETTE

The planting is minimum 80% endemic and native to the area with the use of Liquid amber tree species used along roads and laneways running eastwest to allow sunlight into the streetscapes during winter whilst also providing shade during summer. The native palette is a feature element of the design proposal with the intention of creating a natural haven for the local community. The species selection is made up of endemic and important vegetation to the Ryde and Marsfield regions and has been cross referenced with Ryde City's native planting list.









Eucalyptyus haemastoma Eucalyptus paniculata







grandiflorum Leucopogon appressus





Persoonia lineari







Grevillea speciosa



Banksia spinulosa















Angophora floribunda





Backhousia myrtifolia



Leucopogon esquamatus

Viola hederacea



Angophora costata





Pittosporum revolutu



Styphelia triflora



Kennedia rubicunda







MATERIALS SELECTION

The materiality complements the natural setting of the site with the use of natural materials such as stone and timber. A high quality set of finishes are proposed throughout the public domain and new park for longevity of use for the local community. As the proposal goes through the development approval process the team will work closely with Ryde City Council to ensure the public domain aligns with Council's ambitions, standards and guidelines.





















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Appendix A Drawing Set





Plot Date: 3 May 2022 - 3:18 PM



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