

# RIVERSIDE PARK PUMP TRACK

Quiberon Way, Goulburn NSW, 2580

January 2023 | Rev A



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PREPARED BY



FOR



## PROJECT INFORMATION

PROJECT NAME: RIVERSIDE PARK PUMP TRACK  
PROJECT NUMBER: 2210  
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## ACKNOWLEDGMENTS

Common ground would like to acknowledge the input and contributions made by the Goulburn Mulwaree Council who have provided input, advice and information where required

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## REV DATE DETAIL

A	19/01/23	CONCEPT PLAN
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## AUTHORISED

NAME	SIGNATURE
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James Stephenson	
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# 01

## INTRODUCTION & VISION

### INTRODUCTION

Common Ground has been engaged by the Goulburn Mulwaree Council to prepare the design and undertake construction of the Riverside Park Pump Track. This package presents the concept design of the proposed pump track for best communication and consideration for the Goulburn Mulwaree Council and community.

The pump track will share the park with the existing inclusive playground and passive recreation areas. The pump track site is currently a gently sloping turf area that is well suited to its proposed new use.

The design for the pump track has been prepared as a standalone facility within the greater site, however the design ensures it is cohesive with the existing park facilities and conscious of any future development.

### VISION

*Create a pump track that engages with all users to encourage skill progression, social interaction and fitness. A safe and engaging environment for the community. A valuable asset for future recreation and events.*



# 02

## SITE REVIEW

### SITE CONTEXT

The Pump track site is located in Riverside Park in the town of Goulburn in the Australian Capital Territory, nominally 1 hour drive from Canberra. The pump track site is adjacent to the Riverside Park Inclusive Playground and will share the primary entry and car parking off Quilberon Way.

Within Riverside Park there is a network of existing concrete paths that connect to surrounding residential areas. The proposed pump track will connect into this path network.

Riverside Park also contains turfed passive recreation areas and is surrounded by natural and man-made drainage corridors that connect seasonally into the nearby Wollondilly River.

The pump track site is fairly central to the greater park on a gently sloping area of existing turf that is well suited for pump track construction.



## PHOTO SURVEY

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*The proposed site offers great connection to the surrounding residential town of Goulburn. The track design will take advantage of the existing gently sloping terrain and natural drainage system.*

Notes from the Common Ground team while on site









# 03

## CONCEPT PLAN

### LEGEND-LANDSCAPE

- 01 Facility entry and signage
- 02 Primary platform & rest area
- 03 Secondary platform & rest area
- 04 Entry Path at max 1:14 grade

-  Proposed turf area to track surrounds
-  Proposed planting and mulch area
-  Asphalt-Shaped riding surface
-  Asphalt-Flat platform
-  Concrete storm water pit with cycle-safe grate
-  Pump track line marking

### LEGEND-TRACK

- A Typical berm - 4m radius
- B Typical roller (not all typical rollers noted for clarity)
- C Hipped Roller
- D Roll-able double jump
- E Hipped roll-able double jump
- F Step Up, Cradle, Step Down



# 04

## DESIGN DIAGRAMS

### RIDING EXPERIENCE & SKILL INTEGRATION

- This layout provides clear ability based use areas however the entire facility can also be linked together to provide multiple large looping tracks.
- Features including rollers, hipped rollers, berms, doubles, step-down/up rollers, tabletops, etc ensure there are large collection of varying features.
- For the advanced rider there are plenty of transfer options for exploring.
- The primary platform is adjacent to the existing playground and will allow vision of both the beginner area of the track and the playground.
- Features are designed to be ridden by all skill levels and user groups can be either rolled over or jumped.
- Berms are 0.8-1.0m HIGH and at 4-5m radius
- Feature heights range from 400mm to 1200mm

- Beginner
- Intermediate
- Advanced

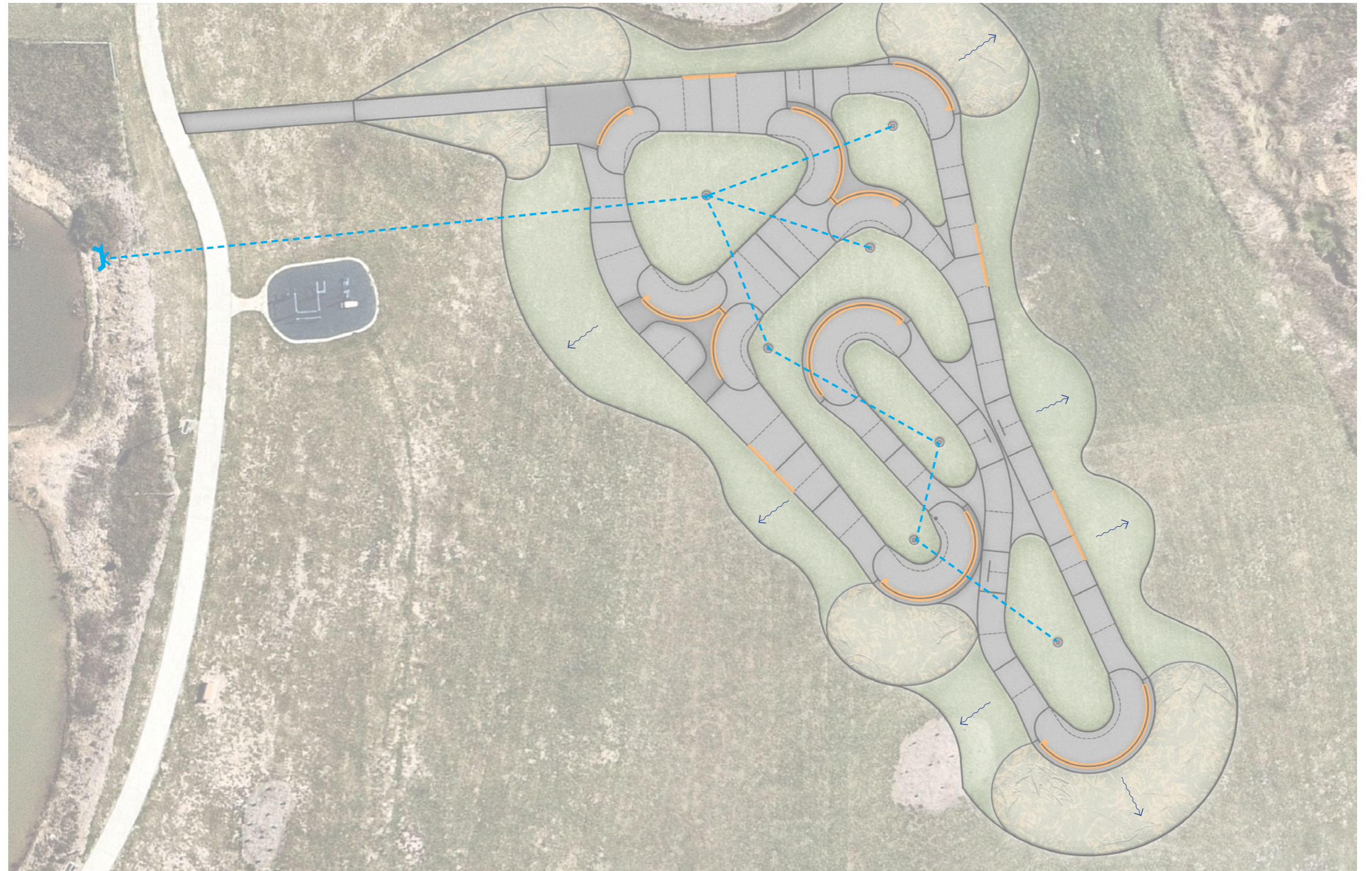


## DRAINAGE STRATEGY

The proposed pump track drainage system is to connect into the existing park drainage through a pipe and headwall connection to the stormwater network.

- Reduces risk of standing water
- Reduces risk of heaving and cracking around the toes of batter
- Fully connected stormwater system
- 7 x Concrete stormwater pits with drop in cycle-safe grate
- DN150 PVC Pipe

- DN150 PVC Pipe
- ~> Overland flow path





# 05

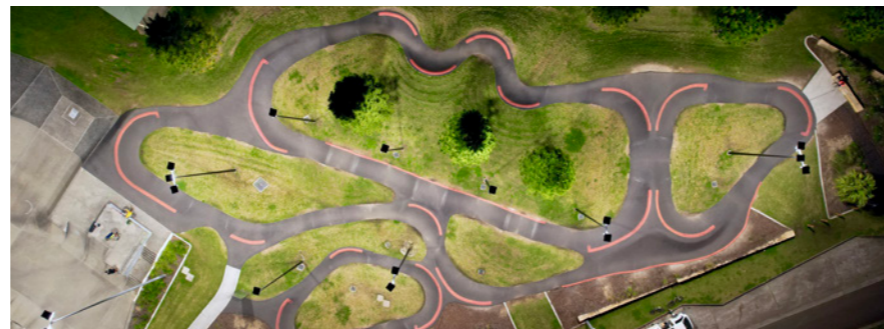
## PRECEDENT PROJECTS & BUILT WORKS

### TRACK LAYOUTS

BUILT WORKS, 2020-2022  
COMMON GROUND TRAILS

While every pump track layout is bespoke and responds directly to the site constraints and opportunities, conceptual ideas for the pump track layout can be shared and developed between tracks.

The Riverside Park Pump Track will share DNA from the attached track designs and will use previous learnings from these designs to optimise the riding experience.



# TRACK FEATURES

BUILT WORKS, 2020-2022  
COMMON GROUND TRAILS

The features shown on this page are precedent for the shaping of the finished track, and have been developed and tested during construction of previous pump tracks.

The track features of the Riverside Park Pump Track have been selected to allow for users to ride them in a fast and flowing style. The intention is for advanced riders to be able to carry enough speed to gap through double rollers and transfer options, but also allow for beginner and intermediate riders to promote skill progression and flow. The features for the Riverside Park Pump Track are designed to ensure a positive riding experience for all user groups (MTB, BMX, Skate, Scooter and Rollerblade).



Back to back, hipped roller



Beginner loop and features. 800mm high berms, 400mm high rollers



Intermediate loop and features. 800mm high berms, 400-600mm high features



Transfer options



Rollable double



Full size berms shaped suitably for beginner and intermediate users



Intermediate scale features and mix of user groups



Back to back berm



Platform for track roll-in and resting, supervision and spectating





**THANK YOU**



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