



## The Goat Farm Mountain Bike Park

### Consultancy Brief for Trail Concept Plan Development

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#### 1. Background

The Goat Farm Mountain Bike Park (the Goat Farm) is identified as a High priority location for future development as a primary location for riders within the proposed Perth Hills mountain bike precinct. Its located within the Perth Hills District on Green Mount Rise, off the Great Eastern Hwy. The project area is approx. 66ha and classified as a 5G Reserve. The Goat Farm is currently used by school groups, individuals and Mountain bike clubs for various events.

The redevelopment of the Goat Farm will for part of the 120km of Mountain Bike trails proposed within the Perth Peel Master Plan for the Nationally significant Perth Hills precinct.

The Goat Farm's original Mountain bike concept plan was completed in 2006 and consisted of 15km of trail. There are currently several downhill tracks, a 4X trail, cross country trails, skills area, and jumps track. All of these are classified as moderate (blue) to difficult (black).

The site currently provides basic facilities including; an unsealed car park, toilets, shelter, picnic tables and bike racks.

#### 2. Project Aims

To develop an easily accessible, high quality, sustainable mountain bike park that provides opportunities for multiple styles of mountain biking (primarily cross country and gravity focused). The aim is to provide a park style facility that caters for recreational riding, and competitive events.

##### The following aims have been set for the project:

- Provide a shuttle road to access gravity focused trails.
- Provide additional parking for 100-120 vehicles to cater for events.
- Provide a pump track adjacent to the existing car park.
- Provide 2km of separate junior cross country race loop with a mix of green and blue graded trail.
- Provide 3 - 4km of green graded XCO trail with blue 'skills progression nodes' or off shoots built into the trail.
- Provide 4 - 5km blue, technical cross country (XCO) graded trail, with alternative lines.
- Provide 4 x 800 – 1000m gravity focused trails that include blue, black and double black graded trails.
- Provide a skills area with green, blue and black features that allow for progressive skills development.
- Provide a dirt jumps area, with blue and black jump lines that allow for progressive skills development.
- Provide high quality orientation and trail signage around the site, including clear emergency access points and related safety information.
- Provide a connection to the Railway Heritage Trail.

##### 2.1. Scope and Scale

The goat farm redevelopment will consist of up to 15km total trail (local significance) and will form part of the proposed greater Perth Hills National level precinct.

The Goat Farm is located on a previously disturbed site, with many existing trails in poor condition. The redevelopment of the site will allow for current environmental and maintenance concerns such as erosion to be addressed and mitigated through the application of sustainable trail design and construction practices. The improvement of the network may also assist in the protection of conservation values in the adjacent Greenmount National Park.

## 2.2. Target Market & User Type

Proposed User Types –

- Leisure
- Enthusiasts
- Sport

The Goat Farm has approximately 110m of fall, and may be suitable for the following styles of trails –

- Cross country,
- Downhill,
- Gravity endure,
- All mountain,
- Park and
- Dual slalom racing.

## 2.3. Trail System (Trail systems to be a combination of stacked loops and finger trails).

Stacked looped trails are to start from the existing facilities area and include the following trails:

- The kids trail (single direction)

Finger trails are to start from the top of the shuttle road and include:

- Downhill trails (single direction)
- Dirt jumps (single direction)

Loop trails are to be accessed from the existing facilities area. and include the following:

- Skills park (single direction)

Cross country trail may be stacked or linked loops with the allowance for Gravity focused events and alternative links to the downhill trails.

## 2.4. Trail inclusions

### Cross country trail

Technical trail 70% Flow trail 30%.

Classification breakdown:

- Easy (Green) 25%
- Moderate (Blue) 60%
- Difficult (Black) 15%

### Kids cross country loop: total trail: 2KM

Classification breakdown

- Easy (Green) 80%
- Moderate (Blue) 20%

Kids loop to have some separation from other trails

### Downhill trail: Total trail: 4km

Classification breakdown:

- Moderate(Blue) 50%
- Difficult (Black) 25%
- Extreme (Double Black) 25%

**Jump park:** Total maximum area: 110x60m

Classification break down:

- Moderate (Blue) 75%
- Difficult (Black) 15%

Dirt jumps to be located in an area with separation from other trails.

**Pump track:** Total maximum area 40x40m

**Skills area:** Total maximum 200x15m

**Pump track:** Total maximum area 40x40m

**Skills area:** Total maximum 200x15m

### 3. Constraints

- The goat farm is prone to erosion due to its steep topography and soil types, which need to be considered in the concept plan and further in the detailed design.
- Although the site is reserved for recreation, consideration is required for surrounding Private property and residential areas.
- Greenmount National Park is not to be included in the concept and trails should not promote access to the park other than on existing sanctioned alignments (i.e. Heritage trail).
- In order to preserve the limited vegetation and help to maintain the parks aesthetics trail development through areas such as the south western corner of the project area should be minimised.

### 4. Consultancy Requirements

The consultant is required to review the existing trail network and facilities and provide a detailed concept plan for the project area, taking into account the project aims and constraints above and outlined in the project framework (see attachment B) and the *Draft WA MTB Management Guidelines*.

The concept plan will include the following minimum content:

#### Project Area Overview/Summary

- Description of project area
- Project Objectives
- Scope and Scale
- Opportunities & constraints within project area (based on site assessments, e.g. access, vegetation, soils, topography, environmental constraints, interpretative opportunities)
- Target Market and User Types
- Trail System

**(Note - the above are to be based on the approved Project Framework)**

#### Trail Network Concept Description

- Plan of overall trail network concept (showing indicative alignments with ~25m wide trail corridors)
- Individual trail summaries (including trail description, length, gradient, classification, type, style, recommended/appropriate technical trail features & filters, recommended construction method & materials, etc)
- Proposed infrastructure requirements and locations (such as carparks, toilets, facility capacities, etc)
- Sign plan (including proposed locations for major & minor trailheads, interpretative opportunities, etc)

Proposed Development Process

- Outline any development staging, priority and construction sequencing
- Trail construction estimates

## 5. Outputs and Deliverables

The consultant(s) must address and deliver the below:

1. Provide a draft electronic concept plan in PDF and/or Word file format for Steering Group review.
2. Provide a final electronic concept plan in PDF and/or Word file format within two weeks of receiving the draft concept plan comments from the Steering Group.
3. Provide digital trail corridor alignments in SHP file formats.

## 6. Timeframe

The appointed consultant will be expected to provide the draft concept plan within six (6) weeks of appointment.

The final concept plan is expected to be completed two (2) weeks after receiving comments from the steering group.

## 8. Required Expertise

Quotations will be assessed against the following criteria:

1. **Relevant Experience:** The consultant's previous experience in projects comparable to this project, the scale of past projects and the past performance of the consultant in completing projects of a similar nature.
2. **Technical Skills:** The competence and qualifications of the key personnel the consultant proposes to involve in the project.
3. **Methodology:** The procedures the consultant proposes to use to achieve the outcomes described in this project brief.
4. **Resources:** The availability of equipment and resources that the consultant proposes to use on this project.
5. **Timeline:** The capability of the consultant to bring the project to a satisfactory conclusion within the timescale specified.

Quotations should include:

- A written response to the required expertise;
- A CV for the key personnel involved in the project;
- A proposed methodology, and;
- An itemised quotation, excluding GST.
- An example of a similar project

## 7. Quotation Deadline

Quotations must be submitted electronically via [info@westcycle.org.au](mailto:info@westcycle.org.au) and must include Company Name and Quotation Title in the subject of the emailed application.

Quotations must be submitted by **5.00pm AWST** on **Friday 23<sup>rd</sup> June 2017**.

## **8. Contact Details**

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