



# Albany Motorsport Park – Development Application

## Waste Management Plan

City of Albany

27 July 2021

→ The Power of Commitment



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# Executive summary

The purpose of this Waste Management Plan is to ensure the safe and responsible segregation and disposal of waste materials generated during the operation of the Albany Motorsport Park (AMP) at Lot 5780 Down Road South, Drome (the Site) (Figure 1, Appendix A). The Waste Management Plan has been developed to minimise potential impacts to the environment and/or human health from waste generation.

This Waste Management Plan is appended to the overarching Environmental Management Plan (EMP) which has been developed for operation and construction works associated with Stage 1A and 1B of the proposed AMP development.

The objectives of this management plan are to ensure:

- All waste is identified and characterises all potential waste streams
- Waste is stored and disposed of appropriately
- Disposal areas are managed and maintained
- A waste recycling program is in place to foster the “Reduce, Reuse and Recycle” philosophy.

The management of hydrocarbon storage and wastes are captured under the separate Hydrocarbon Management Plan (Appendix E of the EMP).

If waste is not appropriately managed within the AMP the following potential impacts/ risks may occur:

- Contamination of surrounding soil, groundwater, and surface water
- On-site waste category segregation to avoid cross-contamination not practiced
- Introduction and/ or spread of weeds
- Reduction in biodiversity value due to inability to replace lost habitat and communities
- Poor visual amenity and landscape value
- Community and stakeholder dissatisfaction.

Measures to mitigate environmental impacts, due to inappropriate waste characterisation and disposal, during the construction of the AMP have also been included in the Construction Management Plan (Appendix J of the EMP).

It is the responsibility of Albany Motorsport Venue Incorporated (AMV Inc) to implement this Waste Management Plan during operation of the AMP.

This report is subject to, and must be read in conjunction with, the limitations set out in section 1.4 and the assumptions and qualifications contained throughout the Report.

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# 1. Introduction

## 1.1 Purpose of this report

The purpose of this Waste Management Plan is to ensure the safe and responsible segregation and disposal of waste materials generated during the operation of the Albany Motorsport Park (AMP) at Lot 5780 Down Road South, Drome (the Site) (Figure 1, Appendix A). The Waste Management Plan has been developed to minimise potential impacts to the environment and/ or human health from waste generation.

This Waste Management Plan is appended to the overarching EMP which has been developed for operation and construction works associated with Stage 1A and 1B of the proposed AMP development.

Measures to mitigate environmental impacts, due to inappropriate waste characterisation and disposal, during the construction of the AMP have also been included in the Construction Management Plan (Appendix J of the EMP).

## 1.2 Objectives

The objectives of this management plan are to ensure:

- All waste is identified and characterises all potential waste streams
- Waste is stored and disposed of appropriately
- Disposal areas are managed and maintained
- A waste recycling program is in place to foster the “Reduce, Reuse and Recycle” philosophy.

The management of hydrocarbon storage and wastes are captured under the separate Hydrocarbon Management Plan (Appendix E of the EMP).

## 1.3 Legislation and guidelines

Waste and recycling activities are legislated under the following, but may not be limited to:

- *Contaminated Sites Act 2003*
- *Dangerous Goods Safety Act 2004*
- *Environmental Protection Act 1986*
- *Environmental Protection Regulations 1987*
- *Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations 1974*
- *Waste Reduction and Recycling Act 2011*
- *Waste Avoidance and Resource Recovery Act 2007.*

## 1.4 Limitations

This report: has been prepared by GHD for City of Albany and may only be used and relied on by City of Albany for the purpose agreed between GHD and City of Albany as set out in section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than City of Albany arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by City of Albany and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

## 2. Waste sources and potential environmental impacts

### 2.1 Waste hierarchy

The waste hierarchy is set out in the *Waste Avoidance and Resource Recovery Act 2007* (WARR Act), which ranks waste management options in order of most preferred to least preferred (Plate 1).

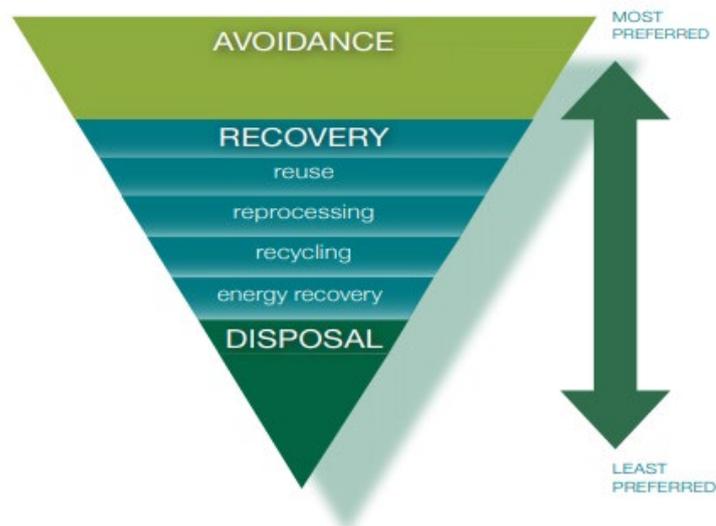


Plate 1 Waste hierarchy based on the WARR Act (Waste Authority, 2013)

### 2.2 Waste categories

Waste has the potential to impact human health and/ or the surrounding environment. The Waste Management Plan has been developed to provide a framework for waste management at the AMP. This management includes storage, handling and disposal requirements.

Waste in the context of this Waste Management Plan refers to all substances requiring recycling or disposal generated by the operation of the AMP, with the exception of the hydrocarbons, which are covered in the Hydrocarbon Management Plan (Appendix E of the EMP).

#### 2.2.1 Non-hazardous waste

Non-hazardous wastes are wastes composed of, or containing, materials which are not harmful to humans and which would not have a serious impact on the environment. Non-hazardous wastes can include putrescible solids and liquids, inert solids, food waste, domestic waste, plastics and concrete

#### 2.2.2 Hazardous waste

Hazardous wastes are defined by the “*Landfill Waste Classification and Waste Definitions (December 2019)*” (DWER, 2019) as “*the component of the waste stream which by its characteristics poses a threat or risk to public health, safety or the environment (includes substances which are toxic, infectious, mutagenic, carcinogenic, teratogenic, explosive, flammable, corrosive, oxidising and radioactive)*”.

Hazardous waste which may be used within the Site can include batteries, engine coolants and glycols, flammable liquids (hydrocarbons and fuels), fluorescent tubes, gas cylinders, cleaning chemicals, pesticides, herbicides, paint, solvents etc.

Hazardous waste, with the exception of hydrocarbons, will be addressed in this Waste Management Plan. Strategies for management and disposal of hydrocarbons will be addressed separately in the Hydrocarbon Management Plan (Appendix E of the EMP).

### **2.2.3 Recyclables**

Recycle/recovery is the conversion of wastes into usable materials and/or extraction of energy or materials from wastes. Recyclable materials can include paper, cardboard, plastics, glass, metal, wood, tyres, vegetation and organic matter.

### **2.2.4 Liquid waste**

For the purposes of this management plan liquid waste will include all effluent and grey water from transportable buildings. This plan excludes management of hydrocarbons which are addressed in Appendix E of the EMP.

## **2.3 Waste sources**

Operation of the AMP is considered likely to generate wastes, excluding hydrocarbons, via the following sources:

- Putrescible waste from canteen, competitors and spectators
- Paper, plastic and printer cartridge waste through office use
- Recyclables such as, but not limited to, cardboard, aluminium cans, bottles, plastics etc from canteen, competitors and spectators
- Inert waste such as tyres from competitors
- Hazardous wastes such as, but not limited to, batteries, engine coolants and glycols, flammable liquids (hydrocarbons and fuels), fluorescent tubes, gas cylinders, cleaning chemicals, pesticides, herbicides, paint, solvents from competitors and site maintenance.
- Liquid waste from transportable toilet facilities.

It is expected that all competitors will remove their own hazardous wastes, such as coolant and other chemicals, tyres, batteries etc at the completion of each event and dispose of them at an appropriately licenced facility.

## **2.4 Potential environmental impacts**

If waste is not appropriately managed within the AMP the following potential impacts/ risks may occur:

- Contamination of surrounding soil, groundwater, and surface water
- On-site waste category segregation to avoid cross-contamination not practiced
- Introduction and/or spread of weeds
- Reduction in biodiversity value due to inability to replace lost habitat and communities
- Poor visual amenity and landscape value
- Community and stakeholder dissatisfaction.

### 3. Management strategies, actions, timeframes and responsibilities

Broad management strategies have been developed to minimise potential impacts associated with waste. The management strategies, timing and responsibilities are outlined in Table 1.

It is the responsibility of the Operations Manager of the AMV Inc. to implement this Waste Management Plan during operation of the AMP.

**Table 1** Waste management strategies, actions, timeframes and responsibilities

Management Strategies	Actions	Timeframes	Responsibility
Site induction	Site induction includes the following specific waste management components: <ul style="list-style-type: none"> <li>– Waste hierarchy</li> <li>– Identification of waste types and associated disposal requirements</li> <li>– All waste/items removed from Site for appropriate disposal</li> <li>– Each competitor will remove their own waste offsite and dispose to an appropriately licensed facility.</li> </ul>	On entry to site	All personnel (AMV Inc. Operations Manager, volunteers and competitors)
	All responsible persons to undertake the necessary training on the handling of, and disposal of, waste material types generated at the AMP.	Site induction	AMV Inc. Operations Manager
Offsite disposal	Wherever practical and economically viable, all waste materials will be recycled.	At all times	All personnel
	Separation of waste for disposal, recycling and recovery.	At all times	All personnel
	Putrescible water will be collected and disposed of at a designated landfill site.	As required	All personnel
	Collection areas and bins will be appropriately maintained.	At all times	All personnel
	Provision of the appropriate number and types of bins on site for each of the different types of waste. Bins will be clearly marked and monitored for cross-contamination of wastes	As required	AMV Inc. Operations Manager
	For office waste, providing receptacles or processes for recycling (as a minimum), paper, general waste, aluminium cans, and bottles, batteries and fluorescent lighting tubes	As required	AMV Inc. Operations Manager
	Batteries, tyres, scrap metal, recycled materials and putrescible waste, hazardous waste and liquid waste from transportable toilets (Figure 2, Appendix A), will be transported off-site for disposal to appropriately licensed facilities.	As required	Licensed contractor
	Hazardous waste or materials shall be stored onsite in a covered, lockable, self-bunded building prior to either use onsite (i.e. pesticides, herbicides, paints) or removal offsite.	As required	AMV Inc. Operations Manager/ Licensed contractor

Management Strategies	Actions	Timeframes	Responsibility
Onsite reuse	Vegetation waste (weed free) will be managed on site through reuse for ground surface stabilisation and rehabilitation. Vegetation waste shall not be reused within the Protected Exclusion Area or Development Exclusion Buffer.	As required	AMV Inc. Operations Manager
Promote a high standard of housekeeping, thereby minimising litter and vermin attraction and infestation	Ensure domestic waste bins are lidded to minimise litter and vermin attraction and infestation	At all times	All personnel
Inspection and monitoring	Litter sweep of the site on weekly intervals required to collect any windblown waste	Weekly	AMV Inc. Operations Manager

## 4. Monitoring

All waste types and volumes generated on-site and being transported off-site will be recorded for the purpose of annual reporting.

Monitoring of the Site will be undertaken, by the AMV Inc., so as to meet the following performance criteria:

- Waste collections sites containing wastes with limited interaction with vermin/ pests
- No cross contamination of waste disposal bins
- All non-hazardous, recyclable, hazardous and liquid wastes removed offsite to appropriately approved disposal locations on an as required basis
- Identifying locations where additional bins may be required
- Presence of litter and windblown waste around the Site cleaned up on a weekly basis
- Record waste types and volumes generated on-site and being transported off-site.

Any waste incidents identified during Site inspections, which have not met the performance criteria, will be documented and corrective actions raised to correct these issues. These will be entered into the AMP Incident Register to track and monitor completion of corrective actions.

Where a waste related pollution incident is a life-threatening incident or pollution emergency it will be reported to Department of Fire and Emergency Services (DFES) by calling 000. DFES will call out Department of Water and Environmental Regulation (DWER) for major pollution/ hazardous materials incidents.

Where a waste related pollution incident occurs, which causes or threatens to cause a pollution emergency, that is not life-threatening it will be reported to DWER via the 24-hour Pollution Watch hotline as soon as practicable.

Nuisance issues and minor waste discharges will be reported to the City of Albany.

## **5. Review**

This Waste Management Plan will be reviewed and updated no later than annually. A review may occur sooner if there is a material change in risk, legal requirements or an incident relevant to waste management. Management strategies will be reviewed for effectiveness and any corrective actions will be implemented.

## 6. References

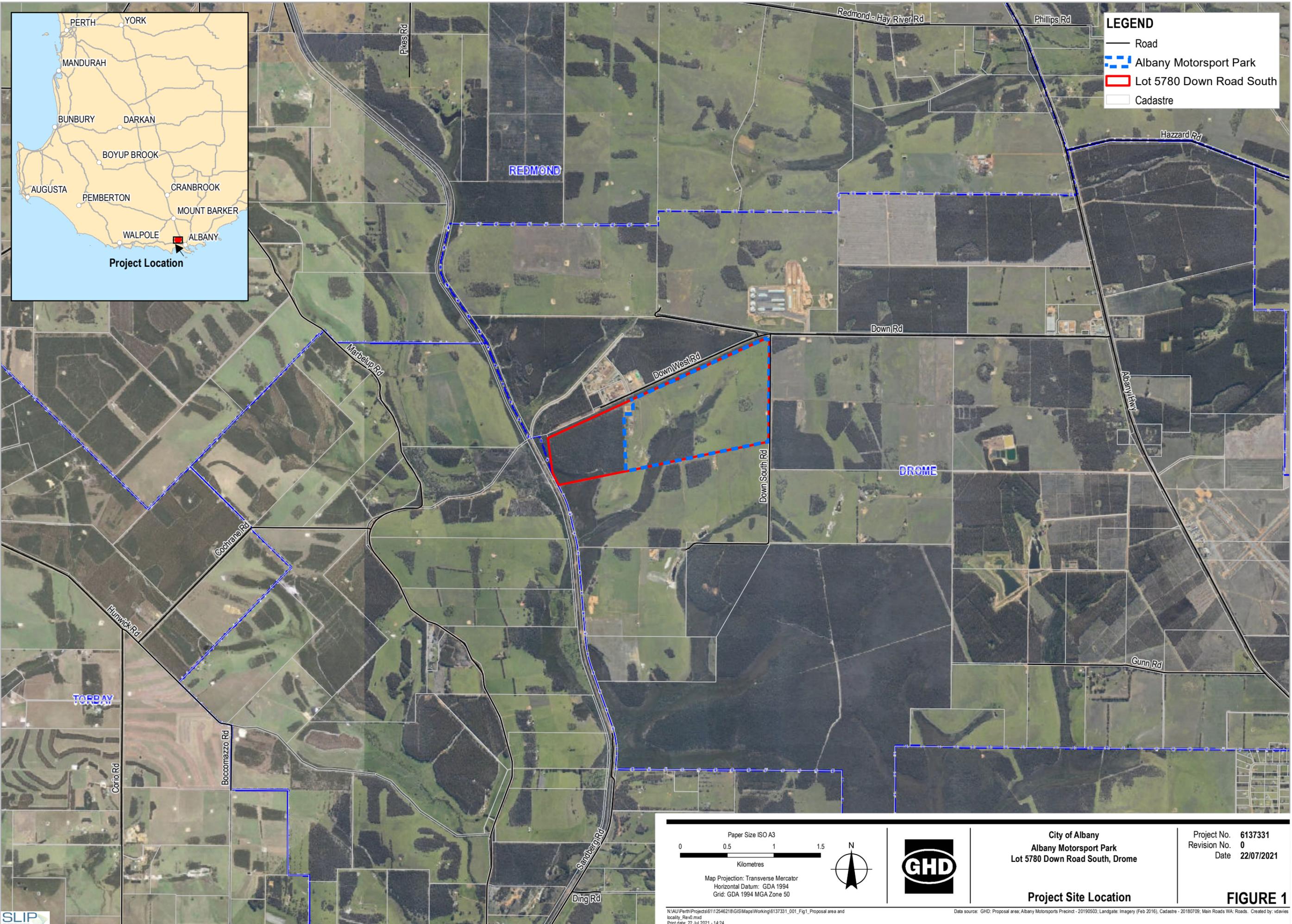
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# Appendix A

## Figures

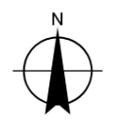
*Figure 1*      *Project site location*

*Figure 2*      *Master plan*



**LEGEND**

- Road
- ▬ Albany Motorsport Park
- ▭ Lot 5780 Down Road South
- ▭ Cadastre



City of Albany  
 Albany Motorsport Park  
 Lot 5780 Down Road South, Drome

Project No. 6137331  
 Revision No. 0  
 Date 22/07/2021

**Project Site Location**

**FIGURE 1**

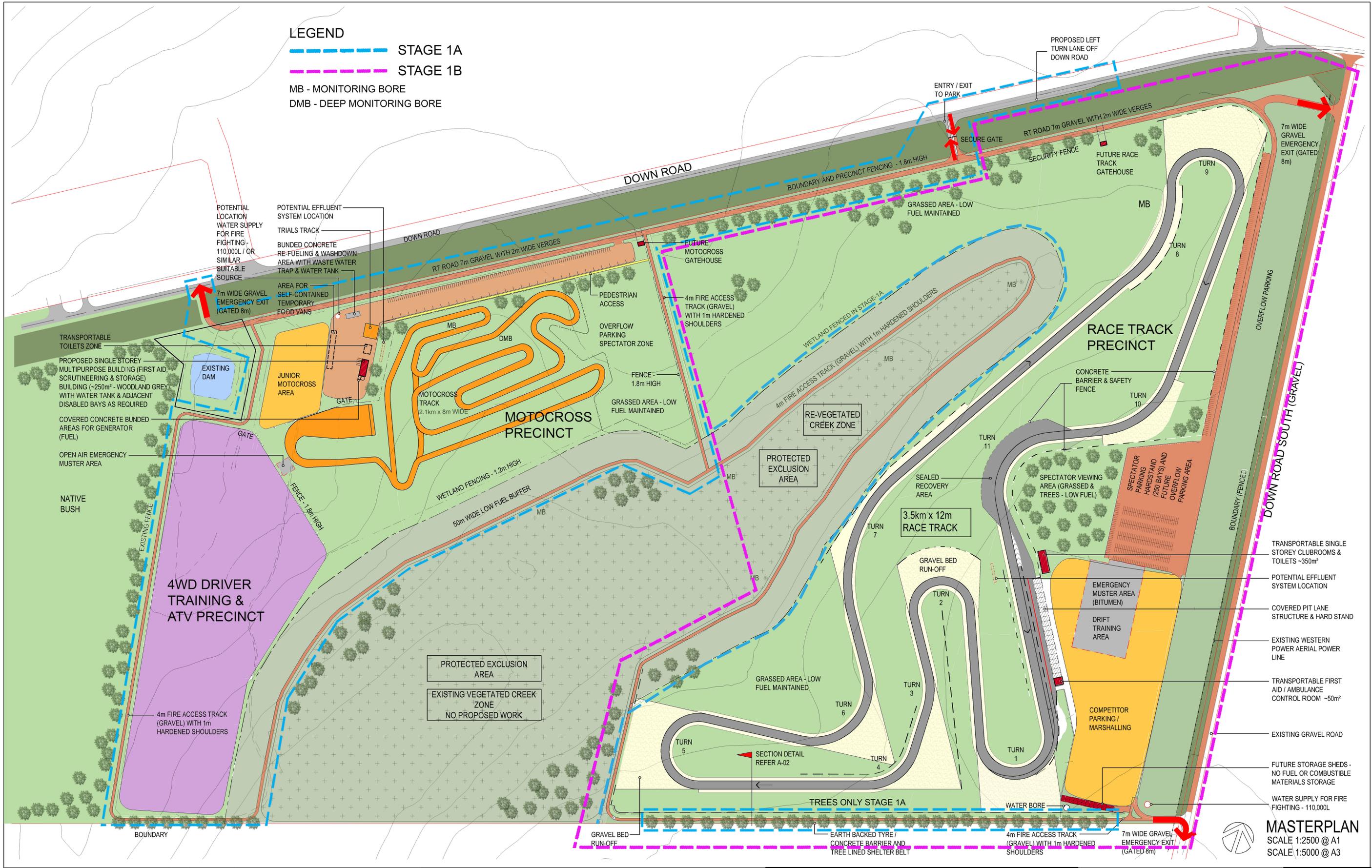
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 Print date: 22 Jul 2021 - 14:24

Data source: GHD: Proposal area; Albany Motorsports Precinct - 20190503; Landgate: Imagery (Feb 2016); Cadastre - 20180709; Main Roads WA: Roads. Created by: vdvavies



**LEGEND**

- STAGE 1A
- STAGE 1B
- MB - MONITORING BORE
- DMB - DEEP MONITORING BORE



**MASTERPLAN**  
 SCALE 1:2500 @ A1  
 SCALE 1:5000 @ A3

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rev	date	description
A	15-04-2021	ISSUED FOR CLIENT REVIEW
B	27-04-2021	ISSUED FOR CLIENT REVIEW
C	12-05-2021	ISSUED FOR CLIENT REVIEW
D	26-05-2021	ISSUED FOR CLIENT REVIEW
E	05-07-2021	ISSUED FOR DA

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**Architects**

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**Albany Motorsport Park**  
 Lot 5780 Down Rd, Drome, WA 6330  
 client  
 City of Albany

Masterplan - Stage 1

cad file

drawn CB project number 21-002

scale 1:2500 @A1  
 date JULY 2021  
 dwg no. **A-01** rev. **E**



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