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|------------------------------------|---|
| <b>Works Approval Number</b>       | W6289/2019/1  |
| <b>Works Approval Holder</b>       | Town of Port Hedland  |
| <b>Registered business address</b> | 13 McGregor Street<br>PORT HEDLAND WA 6721  |
| <b>File Number</b>                 | DER2019/000448  |
| <b>Duration</b>                    | 7/02/2020 to 6/02/2023  |
| <b>Date of issue</b>               | 7/02/2020   |
| <b>Prescribed Premises</b>         | Category 62   |
| <b>Premises</b>                    | South Hedland Community Recycling Centre<br>Reserve 41342 North Circular Road<br>SOUTH HEDLAND WA 6721<br><br>Lot 5813 on Plan 189435 |

This Works Approval is granted to the Works Approval Holder, subject to the following conditions, on 7 February 2020, by:

**Steve Checker**

**MANAGER WASTE INDUSTRIES  
REGULATORY SERVICES**

Delegated Officer

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

## Explanatory notes

These explanatory notes do not form part of this Works Approval.

### Defined terms

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Definition of terms used in this Works Approval can be found at the start of this Works Approval. Terms which are defined have the first letter of each word capitalised throughout this Works Approval.

### Department of Water and Environmental Regulation

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The Department of Water and Environmental Regulation (DWER) is established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V, Division 3 of the *Environmental Protection Act 1986* (WA) (EP Act). The Department also monitors and audits compliance with licences and works approvals, takes enforcement action and develops and implements licensing and industry regulation policy.

### Works Approval

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Section 52 of the EP Act provides that an occupier of any premises commits an offence if any work is undertaken on, or in relation to, the premises which causes the premises to become, or to become capable of being, Prescribed Premises, except in accordance with a works approval.

Section 56 of the EP Act provides that an occupier of Prescribed Premises commits an offence if Emissions are caused or increased or permitted to be caused or increased, or Waste, noise, odour or electromagnetic radiation is altered or permitted to be altered from Prescribed Premises, except in accordance with a works approval or licence.

Categories of Prescribed Premises are defined in Schedule 1 of the *Environment Protection Regulations 1987* (WA) (EP Regulations).

This Works Approval does not authorise any activity which may be a breach of the requirements of another statutory authority including, but not limited to, the following:

- conditions imposed by the Minister for Environment under Part IV of the EP Act;
- conditions imposed by DWER for the clearing of native vegetation under Part V, Division 2 of the EP Act;
- any requirements under the *Waste Avoidance and Resource Recovery Act 2007*;
- any requirements under the *Environmental Protection (Controlled Waste) Regulations 2004*; and
- any other requirements specified through State legislation.

It is the responsibility of the Works Approval Holder to ensure that any action or activity referred to in this Works Approval is permitted by, and is carried out in compliance with, statutory requirements.

The Works Approval Holder must comply with the Works Approval. Contravening a Works Approval Condition is an offence under s.55 of the EP Act.

### Responsibilities of Works Approval Holder

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Separate to the requirements of this Works Approval, general obligations of Works Approval Holders are set out in the EP Act and the regulations made under the EP Act. For example, the Works Approval Holder must comply with the following provisions of the EP Act:

- the duties of an occupier under s.61; and

- restrictions on making certain changes to Prescribed Premises unless the changes are in accordance with a Works Approval, Licence, closure notice or environmental protection notice (s.53).

Strict penalties apply for offences under the EP Act.

### Reporting of incidents

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The Works Approval Holder has a duty to report to the Department all Discharges of Waste that have caused or are likely to cause Pollution, Material Environmental Harm or Serious Environmental Harm, in accordance with s.72 of the EP Act.

### Offences and defences

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The EP Act and its regulations set out a number of offences including:

- Offence of emitting an Unreasonable Emission from any Premises under s.49.
- Offence of causing Pollution under s.49.
- Offence of dumping Waste under s.49A.
- Offence of discharging Waste in circumstances likely to cause Pollution under s.50.
- Offence of causing Serious Environmental Harm (s.50A) or Material Environmental Harm (s.50B).
- Offence of causing Emissions which do not comply with prescribed standards (s.51).
- Offences relating to Emissions or Discharges under regulations prescribed under the EP Act, including materials discharged under the *Environmental Protection (Unauthorised Discharges) Regulations 2004 (WA)*.
- Offences relating to noise under the *Environmental Protection (Noise) Regulations 1997 (WA)*.

Section 53 of the EP Act provides that a Works Approval Holder commits an offence if Emissions are caused, or altered, from a Prescribed Premises unless done in accordance with a Works Approval, Licence or the requirements of a closure notice or an environmental protection notice.

Defences to certain offences may be available to a Works Approval Holder and these are set out in the EP Act. Section 74A(b)(iii) provides that it is a defence to an offence for causing Pollution, in respect of an Emission, or for causing Serious Environmental Harm or Material Environmental Harm, or for discharging or abandoning Waste in water to which the public has access, if the Works Approval Holder can prove that an Emission or Discharge occurred in accordance with a Works Approval.

This Works Approval specifies the Emissions and Discharges, and the limits and Conditions which must be satisfied in respect of specified Emissions and Discharges, in order for the defence to offence provision to be available.

### Authorised Emissions and Discharges

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The specified and general Emissions and Discharges from the Works authorised through this Works Approval are authorised to be conducted in accordance with the Conditions of this Works Approval.

### Amendment of Works Approval

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The Works Approval Holder can apply to amend the Conditions of this Works Approval under s.59 of the EP Act. An application form for this purpose is available from DWER.

The CEO may also amend the Conditions of this Works Approval at any time on the initiative

of the CEO without an application being made.

#### Duration of Works Approval

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The Works Approval will remain in force for the duration set out on the first page of this Works Approval or until it is surrendered, suspended or revoked in accordance with s.59A of the EP Act.

#### Suspension or revocation

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The CEO may suspend or revoke this Works Approval in accordance with s.59A of the EP Act.

# Definitions and interpretation

## Definitions

In this Works Approval, the terms in Table 1 have the meanings defined.

**Table 1: Definitions**

| Term                                 | Definition   |
|--------------------------------------|--|
| Books                                | has the same meaning given to that term under the EP Act.  |
| CEO                                  | means Chief Executive Officer.<br>CEO for the purposes of notification means:<br>Director General<br>Department administering the <i>Environmental Protection Act 1986</i><br>Locked Bag 10<br>Joondalup DC WA 6919<br><a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>  |
| Condition                            | means a condition to which this Works Approval is subject under s.62 of the EP Act.  |
| Department                           | means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.  |
| Department Request                   | means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Works Approval Holder in writing and sent to the Works Approval's address for notifications, as described at the front of this Works Approval, in relation to:<br>(a) compliance with the EP Act or this Works Approval;<br>(b) the Books or other sources of information maintained in accordance with this Works Approval; or<br>(c) the Books or other sources of information relating to Emissions from the Premises. |
| Discharge                            | has the same meaning given to that term under the EP Act.  |
| DWER                                 | Department of Water and Environmental Regulation   |
| Emission                             | has the same meaning given to that term under the EP Act.  |
| Environmental Harm                   | has the same meaning given to that term under the EP Act.  |
| EP Act                               | means the <i>Environmental Protection Act 1986</i> (WA).   |
| EP Regulations                       | means the <i>Environmental Protection Regulations 1987</i> (WA).   |
| Implementation Agreement or Decision | has the same meaning given to that term under the EP Act.  |
| Inspector                            | means an inspector appointed by the CEO in accordance with s.88 of the EP Act.   |
| Material Environmental Harm          | has the same meaning given to that term under the EP Act.  |
| Pollution                            | has the same meaning given to that term under the EP Act.  |
| Premises                             | refers to the premises to which this Works Approval applies, as specified at the front of this Works Approval and as shown on the map in Schedule 1 to this Works Approval.  |
| Prescribed Premises                  | has the same meaning given to that term under the EP Act.  |

|                            |  |
|----------------------------|--|
| Reportable Event           | means an exceedance above the target limit specified in Column 4 of Table 6, in Schedule 3.  |
| Serious Environmental Harm | has the same meaning given to that term under the EP Act.  |
| Unreasonable Emission      | has the same meaning given to that term under the EP Act.  |
| Waste                      | has the same meaning given to that term under the EP Act.  |
| Works                      | refers to the Works described in Schedule 2, at the locations shown in Schedule 1 of this Works Approval to be carried out at the Premises, subject to the Conditions. |
| Works Approval             | refers to this document, which evidences the grant of the works approval by the CEO under s.54 of the EP Act, subject to the Conditions.                               |
| Works Approval Holder      | refers to the occupier of the Premises being the person to whom this Works Approval has been granted, as specified at the front of this Works Approval.                |

## Interpretation

In this Works Approval:

- (a) the words 'including', 'includes' and 'include' will be read as if followed by the words 'without limitation';
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a Condition, each row in a table constitutes a separate Condition;
- (d) any reference to an Australian or other standard, guideline or code of practice in this Works Approval means the version of the standard, guideline or code of practice in force at the time of granting of this Works Approval and includes any amendments to the standard, guideline or code of practice which may occur from time to time during the course of the Works Approval; and
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act.

## Conditions

### Infrastructure and equipment

1. The Works Approval Holder must install and undertake the Works for the infrastructure and equipment:
  - (a) specified in Column 1;
  - (b) to the requirements specified in Column 2; and
  - (c) prior to the location specified in Column 3;of Table 2 below.
2. The Works Approval Holder must not depart from the requirements specified in Column 2 of Table 2 except:
  - (a) where such departure does not increase risks to public health, public amenity or the environment; and
  - (b) all other Conditions in this Works Approval are still satisfied.
3. Subject to Condition 1, within 30 days of the completion of the Works specified in Column 1 of Table 2, the Works Approval Holder must provide to the CEO an engineering certification from a suitably qualified professional civil or structural engineer that each item of infrastructure or component of infrastructure specified in Column 1 of Table 2 below has been constructed with no material defects and to the requirements specified in Column 2.
4. Where a departure from the requirements specified in Column 2 of Table 2 occurs and is of a type allowed by Condition 2, the Works Approval Holder must provide to the CEO a description of, and explanation for, the departure along with the certification required by Condition 2(b).

**Table 2: Infrastructure and equipment requirements table**

| Column 1                     | Column 2   | Column 3  |
|------------------------------|--|---|
| Infrastructure/<br>Equipment | Requirements (design and construction)   | Site plan<br>reference as<br>shown in<br>Schedule 3   |
| Sealed roads/<br>areas       | Construction of sealed roads and parking areas as per Site Plan shown in Schedule 3.   | Sealed roads/areas  |
| Concrete drop-off areas      | Construction of concrete drop-off zones all with a permeability of equal to or less than $1 \times 10^{-9} \text{m/s}$ incorporating the following area: <ul style="list-style-type: none"><li>• 50m x 12m –Recycling area (On-surface drop-off);</li><li>• 47m x 10m - Green waste drop-off;</li><li>• 3.5m x 51m – Multi-tier drop-off zone;</li><li>• 26m x12m – Forecourt; and</li><li>• 18m x 36m– After hour drop-off.</li></ul> | Multi-tier drop-off zone; Green waste drop-off zone; On-surface drop-off; Forecourt; and After hours drop-off |

| Column 1                                 | Column 2   | Column 3  |
|--|--|---|
| Infrastructure/<br>Equipment             | Requirements (design and construction)   | Site plan<br>reference as<br>shown in<br>Schedule 3 |
| Stormwater<br>drainage<br>infrastructure | Construction of stormwater infrastructure to connect up to perimeter landfill stormwater management infrastructure.  | Stormwater Swale                                    |
| Stormwater<br>catchment basin            | <p>Installation of a stormwater catchment pond on the northern boundary of the Landfill site capable of holding 13,000m<sup>3</sup> of liquid.</p> <p>The pond must meet the following specifications:</p> <ul style="list-style-type: none"> <li>• be constructed of HDPE liner with a permeability of less than 1x10<sup>-9</sup> m/s;</li> <li>• be designed with a minimum freeboard of 0.8m.</li> <li>• be raised 0.5m above existing ground with 1:6 (V:H) external slopes;</li> <li>• the liner must be supplied with conformance certificates prior to construction to ensure the liner is fit for purpose according to the manufacturers recommendations;</li> <li>• the liner must be free of tears or holes prior to installation; and</li> <li>• adjacent sheets of liner are to overlap by a minimum of 100mm, prior to heat welding or mechanical joining in accordance with manufacturer's specifications.</li> </ul> | Stormwater catchment North Pond; and                |
| Reuse Shop                               | 20m x 12m enclosed building with a 26m x 12m concrete sealed forecourt area  | Reuse shop  |
| Provisional CDS building                 | Construction of 20m x 12m provisional CDS enclosed building  | Provisional CDS                                     |
| Multi-tier Drop-off Zone                 | Steel canopy cover 60m x 12m   | Multi-tier drop-off zone                            |
| Hook lift bins                           | Installation of six 30m <sup>3</sup> hook lift bins  | Multi-tier drop-off zone                            |
| HHW storage                              | Fully enclosed building 6m x 2.5m  | HHW   |
| Unsealed hardstand areas                 | Construction of unsealed hardstand areas to serve as operational access areas  | Unsealed hardstands                                 |
| Skip bins                                | Installation of five 30m <sup>3</sup> skip bins  | Recycling area;                                     |



| Column 1                     | Column 2   | Column 3  |
|------------------------------|--|---|
| Infrastructure/<br>Equipment | Requirements (design and construction)                               | Site plan<br>reference as<br>shown in<br>Schedule 3                 |
| Skip bins                    | Installation of 15m <sup>3</sup> skip bins                           | After hours drop-off<br>area  |
| Perimeter<br>Fence           | A chain link fence surrounding the CRC                               | N/A   |
| Fire Fighting<br>equipment   | 600L firefighting trailer and 2 water tanks with<br>camlock fittings | Represented by<br>the blue polygons<br>on the CRC<br>concept layout |

## Emissions

5. The Works Approval Holder must not cause any Emissions from the Works authorised through this Works Approval except for specified Emissions and general Emissions described in Column 1 of Table 3, subject to the exclusions, limitations or requirements specified in Column 2, of Table 3.

**Table 3: Authorised Emissions table**

| Column 1  | Column 2  |
|---|---|
| Emission type   | Exclusions/Limitations/Requirements   |
| <b>Specified Emissions</b>  |   |
| Nil   | N/A   |
| <b>General Emissions<br/>(excluding Specified Emissions)</b>            |   |
| Emissions which arise from undertaking the Works set out in Schedule 2. | Emissions excluded from General Emissions are: <ul style="list-style-type: none"> <li>• Unreasonable Emissions; or</li> <li>• Emissions that result in, or are likely to result in, Pollution, Material Environmental Harm or Serious Environmental Harm; or</li> <li>• Discharges of Waste in circumstances likely to cause Pollution; or</li> <li>• Emissions that result, or are likely to result in, the Discharge or abandonment of Waste in water to</li> </ul> |

| Column 1      | Column 2  |
|---------------|---|
| Emission type | Exclusions/Limitations/Requirements   |
|               | <p>which the public has access; or</p> <ul style="list-style-type: none"> <li>• Emissions or Discharges which do not comply with an Approved Policy; or</li> <li>• Emissions or Discharges which do not comply with prescribed standard; or</li> <li>• Emissions or Discharges which do not comply with the conditions in an Implementation Agreement or Decision; or</li> <li>• Emissions or Discharges the subject of offences under regulations prescribed under the EP Act, including materials discharged under the <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>.</li> </ul> |

## Record-keeping

6. The Works Approval Holder must maintain accurate Books including information, reports and data in relation to the Works and the Books must:
  - (a) be legible;
  - (b) if amended, be amended in such a ways that the original and subsequent amendments remain legible or are capable of retrieval;
  - (c) be retained for at least 3 years from the date the Books were made;
  - (d) be available to be produced to an Inspector or the CEO.
7. The Works Approval Holder must comply with a Department Request within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.



Schedule 1: Maps

Premises map

The Premises are shown in the map below.





## Schedule 2: Works

At the time of assessment, Emissions and Discharges from the Works listed in Table 4 were considered in the determination of the risk related Condition for the Works Approval.

**Table 4: Authorised Works**

| Works  | Specifications/Drawings    |
|--|----------------------------|
| Construction of the Reuse Shop                       | Schedule 3 (Site Drawings) |
| Construction of the Provisional CDS                  |                            |
| Construction of the Multi-tier drop-off zone         |                            |
| Construction of the Recycling area drop-off zone     |                            |
| Construction of the unsealed hardstand areas         |                            |
| Construction of the Sealed roads and area            |                            |
| Construction of the Concrete areas                   |                            |
| Construction of HHW storage building                 |                            |
| Installation of skip bins                            |                            |
| Installation of hook-lift bins                       |                            |
| Installation of fire fighting equipment              |                            |
| Installation of fencing                              |                            |
| Construction of stormwater management infrastructure |                            |

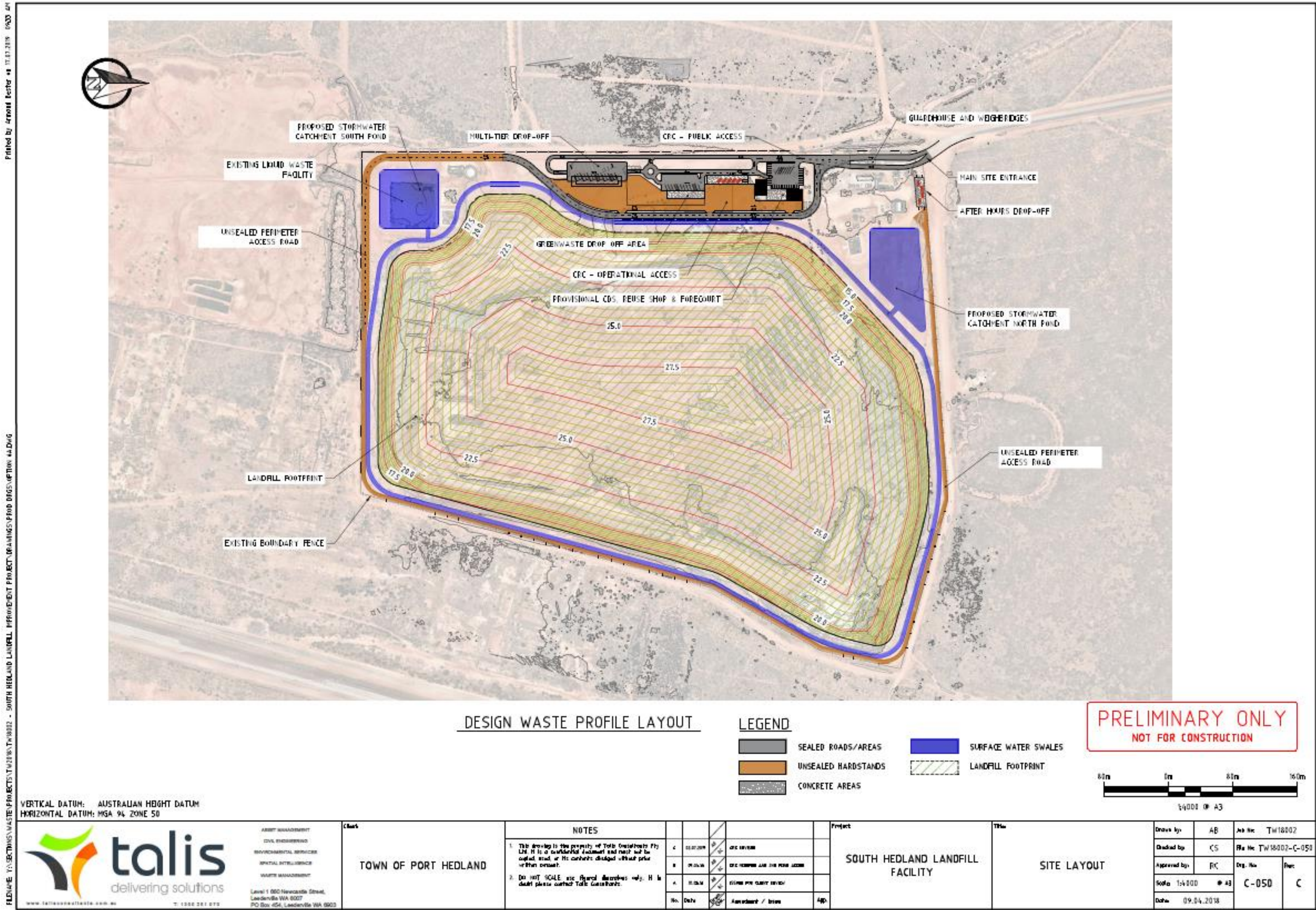
## Site layout

The infrastructure and equipment are set out on the Premises in accordance with the site layout specified on the Premises map in Schedule 3.



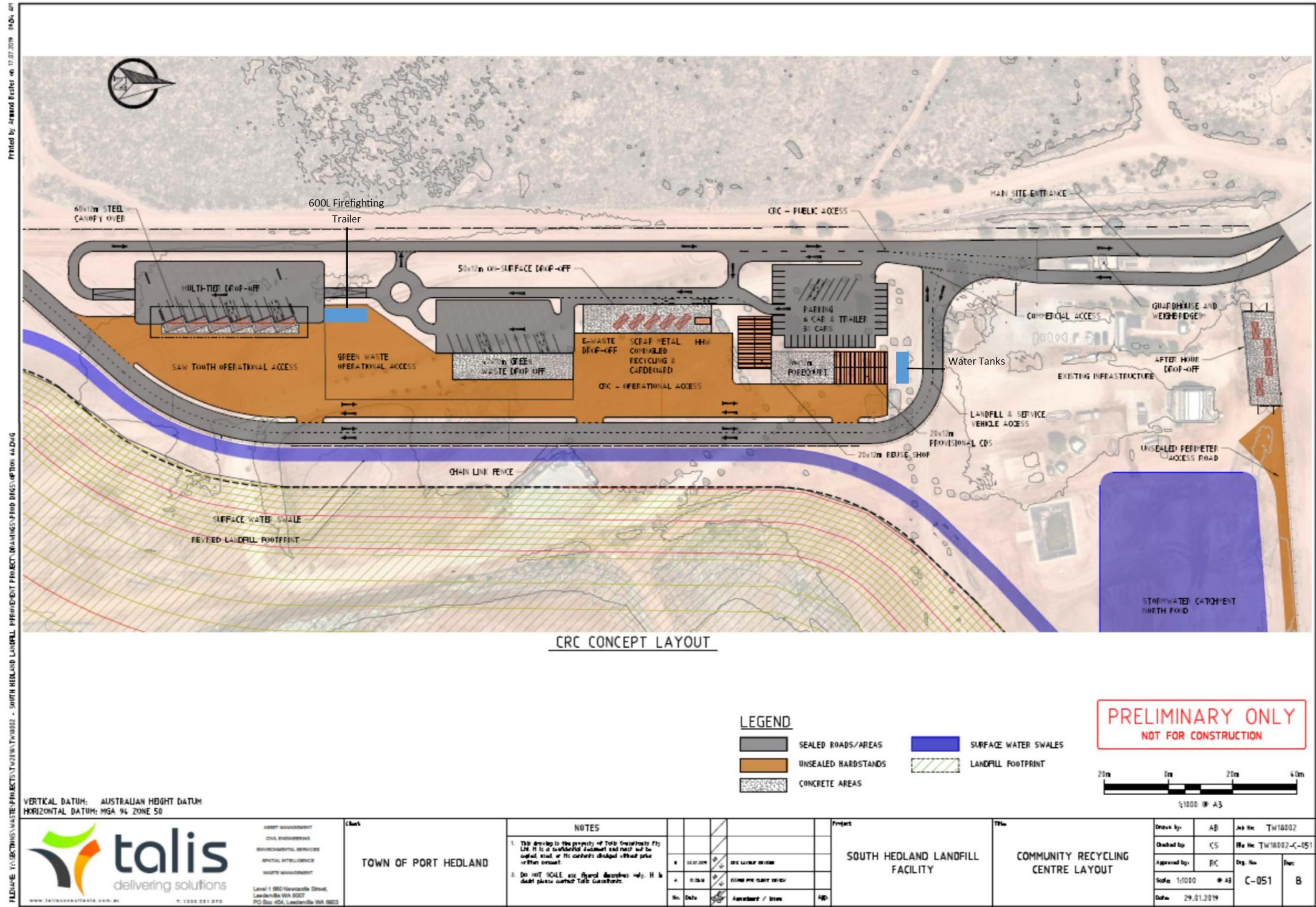
Schedule 3: Site Drawings

Design Waste Profile Layout



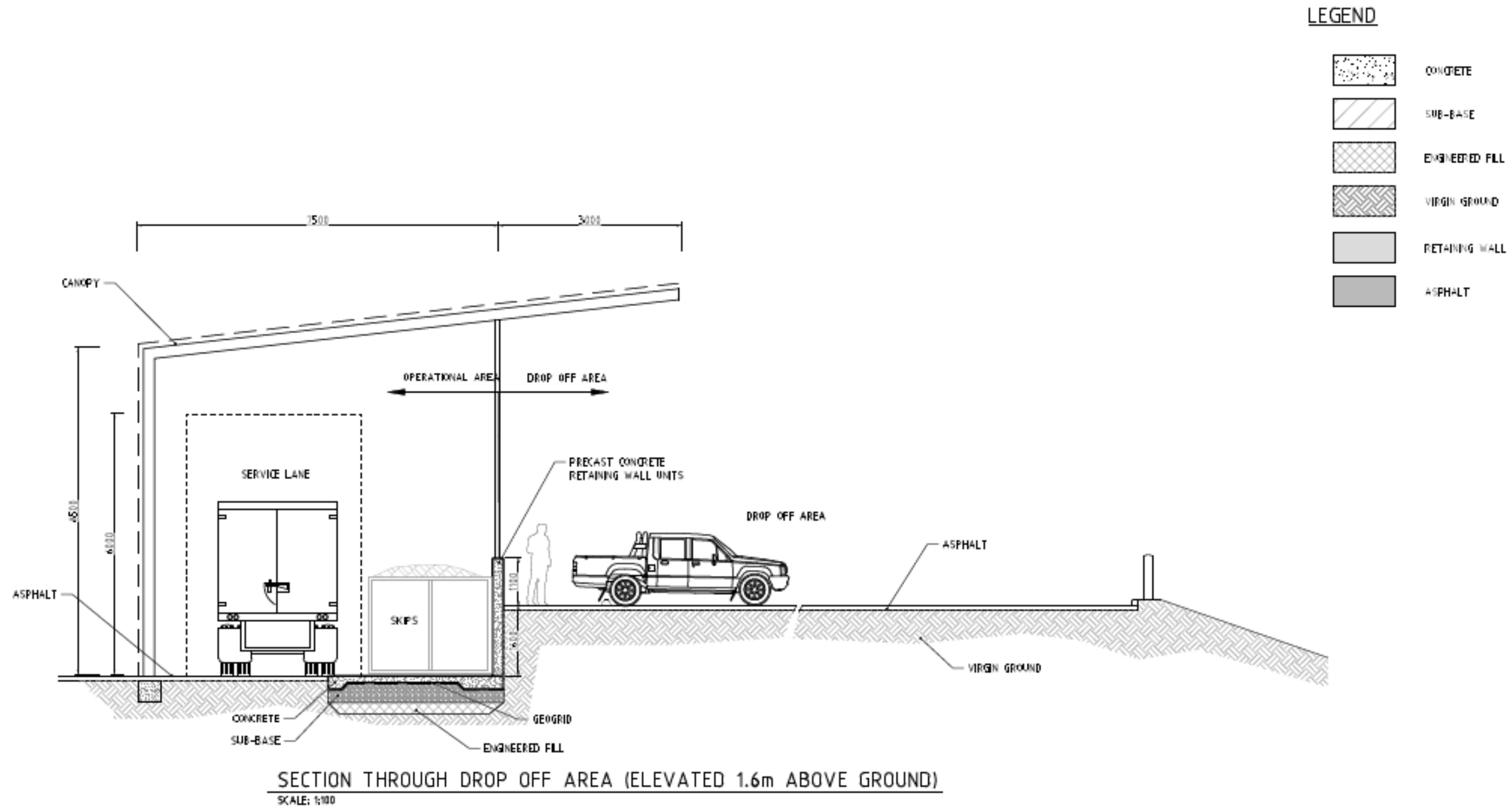


Community Recycling Centre Concept Layout





## Multi-Tier Drop-off Concept Layout



PRELIMINARY ONLY  
NOT FOR CONSTRUCTION



VERTICAL DATUM: AUSTRALIAN HEIGHT DATUM  
HORIZONTAL DATUM: MGA 94 ZONE 50



ASSET MANAGEMENT  
CIVIL ENGINEERING  
ENVIRONMENTAL SERVICES  
SPATIAL INTELLIGENCE  
WASTE MANAGEMENT

Level 1 600 Newcastle Street,  
Leadville WA 6007  
PO Box 454, Leadville WA 6000

TOWN OF PORT HEDLAND

## NOTES

1. This drawing is the property of Tolls Construction Pty Ltd. It is a confidential document and must not be copied, used, or its contents divulged without prior written consent.
2. DO NOT SCALE, use figured dimensions only. If in doubt please contact Tolls Construction.

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|     |          |   |                         |
|     |          |   |                         |
|     |          |   |                         |
| A   | 11/23/14 |  | THANK YOU CLIENT REVIEW |
| Has | On/In    |  | LINE SCHOOL / 10/10     |

|         |                                 |
|---------|---------------------------------|
| Project | SOUTH HEDLAND LANDFILL FACILITY |
|---------|---------------------------------|

TITLE

TYPICAL MULTI-TIERED  
DROP-OFF CROSS SECTION

|              |            |          |               |   |
|--------------|------------|----------|---------------|---|
| Drawn by:    | AB         | Job No.  | TW16002       |   |
| Checked by:  | CS         | File No. | TW16002-C-057 |   |
| Approved by: | RC         | Dep. No. | C-057         |   |
| Scale        | 1:1000     | AS       |               | A |
| Date:        | 29.01.2019 |          |               |   |

## Premises boundary

The Premises boundary is defined by the red line in Schedule 1 Premises Map. The CRC, indicated by the yellow line is situated within the Licensed Prescribed boundary of L6917/1997/8 – South Hedland Landfill. An amendment to L6917/1997/8 to include the CRC will need to be requested upon completion of the Works.