



Licence number	L9261/2020/1
Licence holder	Mid West Remediation Services Pty Ltd
ACN	642 636 477
Registered business address	Unit 1, 25 Foss Street, PALMYRA WA 6157 PO Box 89, MELVILLE WA 6956
DWER file number	DER2020/000358
Duration	12/11/2020 to 11/11/2040
Date of issue	12/11/2020
Premises details	Mid West Remediation Services 353 Pye Road, MT ADAMS WA 6525 Part of Lot 4 on Plan 13178 Certificate of Title Volume 1560 Folio 863 As defined by the coordinates in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 61A: Solid waste facility	8,000 tonnes per annum
Category 63: Class I inert landfill site	16,000 tonnes per annum

This licence is granted to the licence holder, subject to the attached conditions, on 5 February 2021, by:

Stephen Checker
MANAGER
WASTE INDUSTRIES
REGULATORY SERVICES

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

Licence history

Date	Reference number	Summary of changes
12/11/2020	L9261/2020/1	<i>Licence granted.</i>
5/02/2021	L9261/2020/1	<i>Licence amended for company details; updating registered business and mailing addresses; and premises ownership details</i>

Interpretation

In this licence:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (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 licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure and equipment

- The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

Table 1: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Bioremediation pad	<ul style="list-style-type: none"> A compacted gravel hardstand base (minimum 300 mm) with a permeability no greater than 1×10^{-9} m/s or equivalent; An impervious 500mm kerb bunding around the perimeter of the bioremediation pad; Enable the free drainage of leachate to the leachate collection infrastructure; Contaminated soils only to be stored within the bioremediation cell; and Designed to store and manage at least 2,000m³ of material. 	Figures 1 and 2 in Schedule 1
Infrastructure for the collection of leachate	<ul style="list-style-type: none"> Lined to achieve a permeability no greater than 1×10^{-9} m/s or equivalent; Capacity to manage a 24 hour duration, 1 in 20 year ARI critical rainfall event without overflow; Maintained free of debris to enable free drainage; 500mm high bunding to prevent run-on and run-off of surface water. 	
Leachate pond	<ul style="list-style-type: none"> Capacity to manage a 24 hour duration, 1 in 20 year ARI critical rainfall event without overflow; Maintained free of debris to enable free drainage; 500mm high bunding to prevent run-on and run-off of surface water. A minimum top of embankment freeboard of 500 mm is maintained; and Maintained to store 450m³ of leachate. 	
5 inert landfill cells	<ul style="list-style-type: none"> Each cell must be able to store a minimum 2,000m³ of inert waste (type 1 and 2); Surface water is directed away from the cells; and Must have sufficient cover materials 	
Fire prevention system: Two dry chemical powder fire extinguishers	<ul style="list-style-type: none"> Must be operational at all times Minimum of two portable dry chemical powder fire extinguishers capable of controlling and extinguishing a fire to be 	NA

Site infrastructure and equipment	Operational requirement	Infrastructure location
	<p>located within the disposal area;</p> <ul style="list-style-type: none"> All on-site vehicles, including earthmoving machinery (loaders etc), trucks and light vehicles to each carry 9 kg powder extinguishers; A 1000L firefighting water cart to be present on-site during summer months; and Fire extinguishers maintained onsite in good working order at all times in accordance with the standard AS2444 and AS1851. 	

Waste Acceptance

- The licence holder must only accept onto the Premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 2.

Table 2: Waste acceptance

Waste type	Rate at which waste is received	Acceptance specification
Inert Waste Type 1 and 2	16,000 tonnes per annual period	Limited to sump drilling mud and mud sump plastic liners
Contaminated soil	8,000 tonnes per annual period	Class 2 and 3 petroleum hydrocarbon impacted soils.

- The licence holder shall ensure that where waste does not meet the waste acceptance criteria set out in Condition 2, it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable.
- The licence holder shall ensure that wastes accepted onto the Premises are only subjected to the processes set out in Column 2 of Table 3, and in accordance with any process requirements/limits described in Column 3 of Table 3.

Table 3: Waste processing

Column 1	Column 2	Column 3
Waste type (as specified in Condition 1)	Process	Process requirements/limits
Inert Waste Type 1 and 2	Receipt and disposal of waste by landfilling- within 5 landfill cells	<ul style="list-style-type: none"> All waste accepted onto site shall be directed to the receival area for disposal; No inert waste type 2 shall be stored onsite prior to landfilling; Sufficient cover material provided at all times during landfilling; Inert Waste type 2 shall be covered with a minimum of 150 mm of clean fill or Inert Waste Type 1 by the end of the working day on which the waste was deposited.
Contaminated waste	Receipt, handling and treatment	<ul style="list-style-type: none"> Only Class 2 and 3 (as defined in the Landfill Definitions) hydrocarbon impacted soils to be accepted on site for bioremediation purposes; All non-conforming waste types are to be removed for disposal off-site; Contaminated soils are only to be unloaded within the bioremediation cell; Contaminated soil is to be tilled as required to facilitate the bioremediation process; Wetting of contaminated soil to occur as required to facilitate the bioremediation process; and Contaminated soil windrows are to have a maximum height of 1000 mm

5. The licence holder shall ensure that material is only stored within areas with the relevant infrastructure requirements and at the locations specified in Table 4 and identified in Schedule 1.

Table 4: Containment infrastructure

Containment point reference	Material	Infrastructure requirements/limits
Inert Waste Type 1 and 2	Receipt and disposal/interment within 5 landfill cells	<ul style="list-style-type: none"> All waste accepted onto site shall be directed to the receival area for internment/disposal as required; and All non-conforming waste types are to be removed for disposal off-site.
Bioremediation Cell	Contaminated soil	<ul style="list-style-type: none"> Compacted gravel hardstand base with a permeability of 1×10^{-9} m/s or less; and Bunded and graded to a leachate pond to prevent the discharge of contaminated stormwater or leachate to the environment.
Drainage Channel	Leachates from the operation of the bioremediation cell and contaminated stormwater	<ul style="list-style-type: none"> Lined to achieve a permeability no greater than 1×10^{-9} m/s or equivalent; A minimum top embankment freeboard of 500 mm is maintained; Maintained free of debris to enable free drainage.

Leachate pond	Leachates from the operation of the bioremediation cell and contaminated stormwater	<ul style="list-style-type: none"> Lined to achieve a permeability no greater than 1×10^{-9} m/s or equivalent; A minimum top embankment freeboard of 500 mm is maintained; Maintained free of debris and vegetation; Capacity to store a 24 hour duration, 1 in 20 year ARI critical rainfall event without overflow.
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6. The licence holder must ensure that the following measures are completed within six months of the date of completion or cessation of landfilling for each cell:
- apply and compact 0.2 m of gravel capping to the upper surface of the buried material at a minimum gradient of 5% and extending laterally to at least one metre beyond the outer extents of the waste cell;
 - reinstate approximately one metre of cut-back soil as the final cap over the compacted gravel layer appropriate for the future pasture use; and
 - level cell with surrounding landscape as required maintaining at least approximately one metre of cover over each cell.

Monitoring

Monitoring of inputs and outputs

7. The licence holder must monitor and record the total amount of waste accepted onsite, or removed from the premises, as specified in Column 1 of Table 5, for the corresponding waste types specified in Column 2 of Table 5, for the corresponding units specified in Column 3 of Table 5, and at the corresponding frequency, as specified in Column 4, of Table 5.

Table 5: Monitoring of inputs and outputs

Column 1	Column 2	Column 3	Column 4
Inputs / Outputs	Waste types	Units	Frequency
Waste input-Waste accepted onto the premises	Inert Waste Type 1 and 2	Tonnes	Each load arriving at the Premises
	Contaminated soil - Class 2 and 3 petroleum hydrocarbon impacted	Tonnes	Each load arriving at the Premises
Waste output	Non-conforming wastes	Tonnes	Each load rejected from the Premises.
	Waste type as defined in the Landfill Definitions	Tonnes	Each load leaving the premises post treatment

Process monitoring

8. The licence holder shall undertake process monitoring according to the specifications in Table 6.

Table 6: Process Monitoring

Monitoring point reference	Parameter	Units	Frequency	Method
Contaminated soil stockpiles contained within the bioremediation cell	BTEXN and TRH C6-C9 petroleum hydrocarbons >C16-C35 petroleum hydrocarbons (aromatics) >C16-C35 petroleum hydrocarbons (aliphatics) Toulene Xylenes	mg/Kg	Each batch: Prior to disposal or removal from site	AS4482.2
	Specific testing as required to confirm waste type as defined in the Landfill Definitions	As required		As defined in the Landfill Definitions

Ambient environmental quality monitoring

9. The licence holder must conduct a groundwater monitoring programme in accordance with the requirements specified in Table 7.

Table 7: Monitoring of ambient groundwater quality

Monitoring well reference/location	Parameter	Units	Frequency	Method
Monitoring well (MW1)	BTEXN C6-C40 TRH Toulene Xylenes	mg/L	Annual	Spot sample, in accordance with AS/NZS 5667.11.
	Asenic (As)			
	Barium (Ba)			
	Cadmium (Cd)			
	Chromium (Cr)			
	Copper (Cu)			
	Iron (Fe)			
	Lead (Pb)			
	Manganese (Mn)			
	Nickel (Ni)			
	pH			
	Zinc (Zn)			
	Total dissolved solids			
	Nitrate + Nitrite			
	Sulphate			

Records and reporting

- 10.** The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:

 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 11.** The licence holder must:

 - (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO by no later than 60 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
- 12.** The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:

 - (a) the calculation of fees payable in respect of this licence;
 - (b) monitoring and records of waste classification undertaken in accordance with conditions 7, 8 and 9 of this licence; and
 - (c) complaints received under condition 10 of this licence.
- 13.** The books specified under condition 12 must:

 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the licence holder for the duration of the licence; and
 - (d) be available to be produced to an inspector or the CEO as required.

Definitions

In this licence, the terms in Table 8 have the meanings defined.

Table 8: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 30 November until 31 October of the immediately following year.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
Landfill Definitions	means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department as amended from time to time.
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
premises	refers to the premises to which this licence applies, as specified at the

Term	Definition
	front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this licence.
prescribed premises	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.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

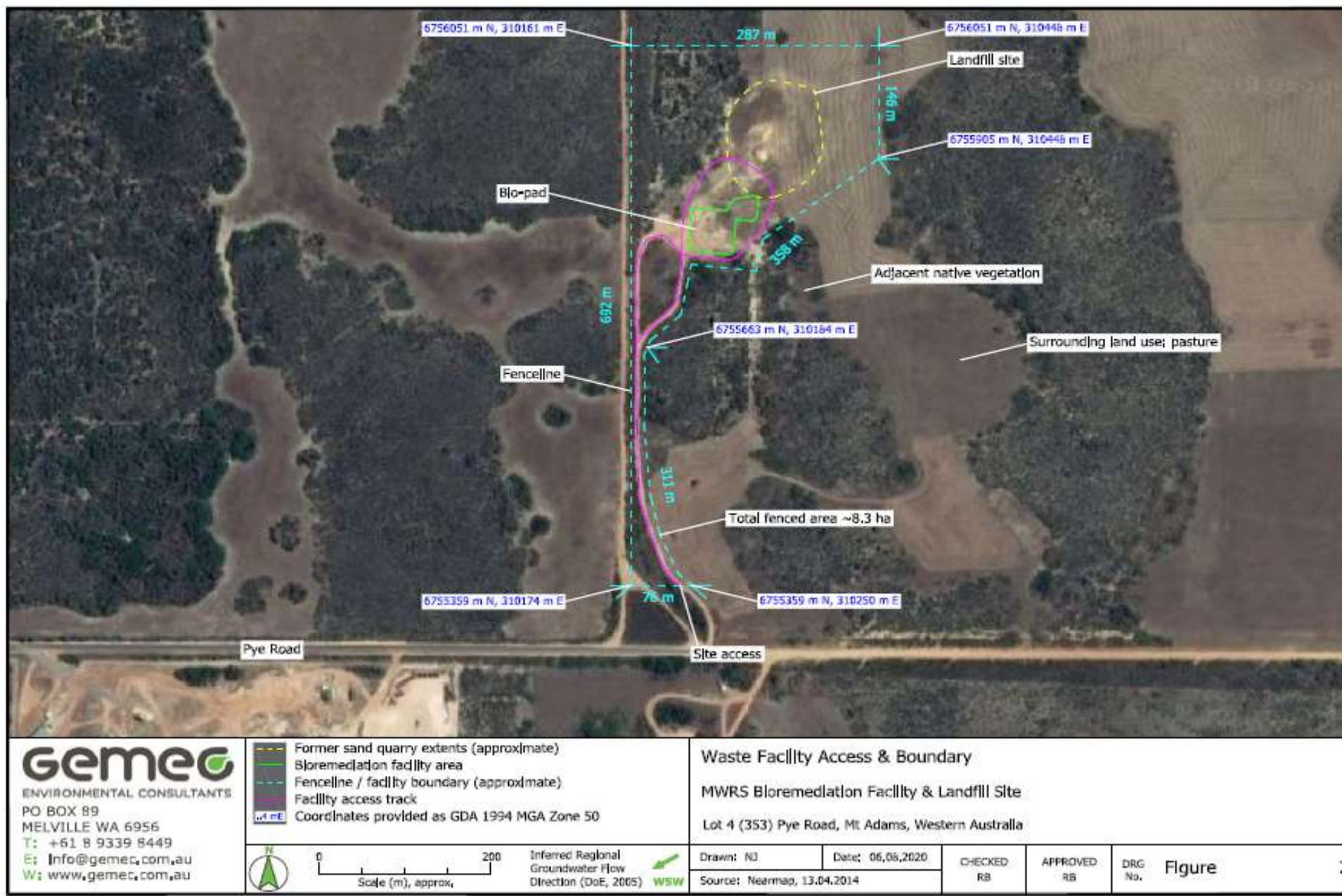


Figure 1: Map of the boundary of the prescribed premises

Groundwater monitoring well location

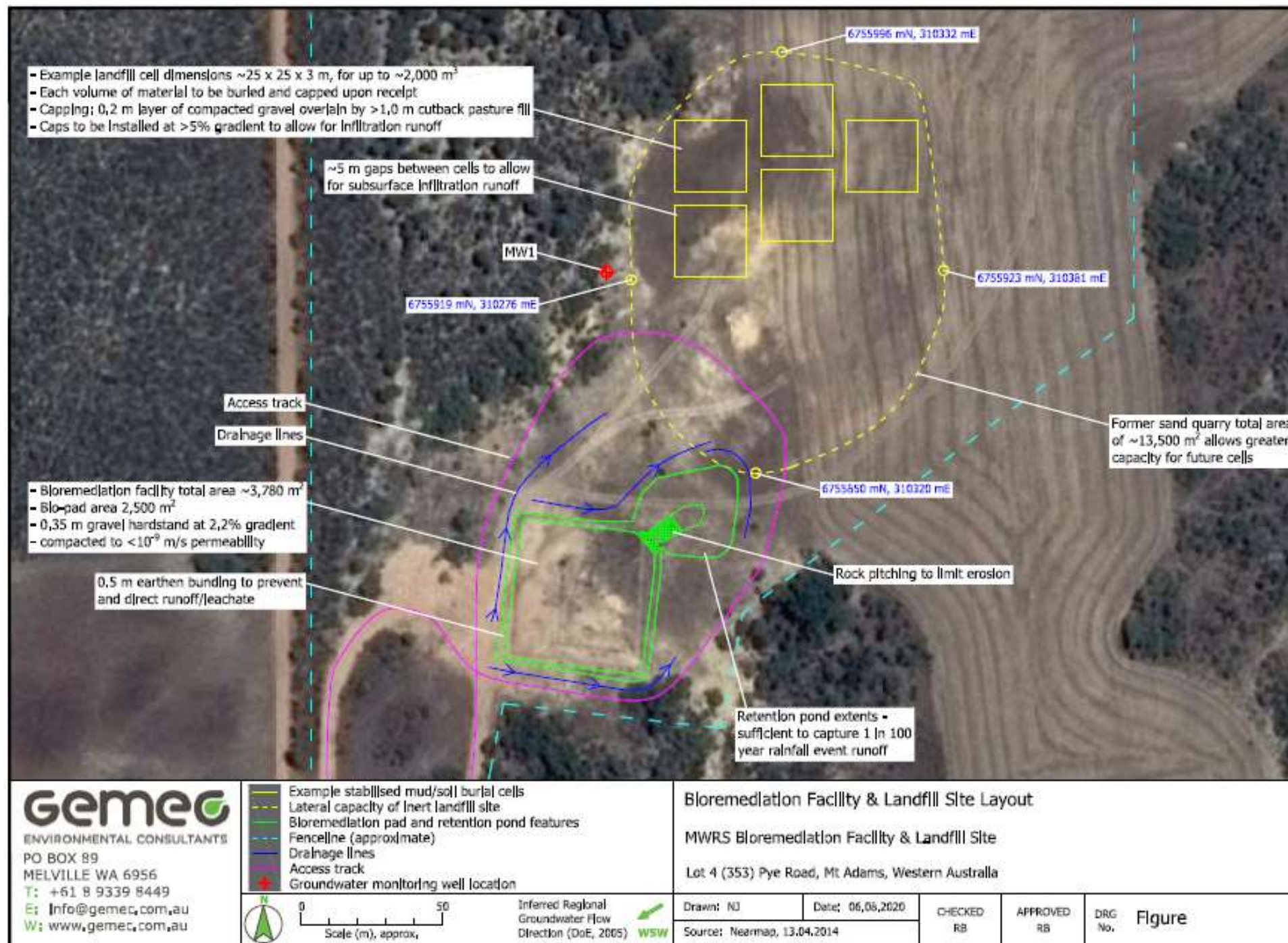


Figure 2: Groundwater monitoring bore location

Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 9.

Table 9: Premises boundary coordinates

Easting	Northing
<i>310161mE</i>	<i>6756051mN</i>
<i>310448mE</i>	<i>6756051mN</i>
<i>310448mE</i>	<i>6755908mN</i>
<i>310184mE</i>	<i>6755663mN</i>
<i>310250mE</i>	<i>6755359mN</i>
<i>310174mE</i>	<i>6755359mN</i>