Permit

Environmental Protection Act 1994

Environmental authority EPPR02323214

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Environmental authority number: EPPR02323214

Environmental authority takes effect on 09 May 2019

Environmental authority holder(s)

Name(s)	Registered address
Department of Environment and Science	400 George Street BRISBANE CITY QLD 4000 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (a-i) 21 to 100EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	Lot 46/SP241418
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (a-i) 21 to 100EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	Lot 26/NPW404

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the Environmental Protection Act 1994 (EP Act).

ABN 46 640 294 485

Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days);

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority-on the nominated day; or
b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
c) otherwise-on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the Planning Act 2016 or an SDA Approval under the State Development and Public Works Organisation Act 1971), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

Christine Mooney
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 13 May 2019

Enquiries:
Extraction, Energy and Chemical Industries Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

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Obligations under the Environmental Protection Act 1994

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

This environmental authority consists of the following parts:

Applicable Part	Environmentally Relevant Activities	Locations
Part 1	ERA 63 (1a)(i) — Sewage treatment: 21-100 equivalent persons with treated effluent discharged to an infiltration trench or irrigation scheme	**All locations.**
Part 2	ERA 63 (1a)(i) — Sewage treatment: 21-100 equivalent persons with treated effluent discharged to an infiltration trench or irrigation scheme.	**Iron Range National Park Chilli Beach Camping Area** GISID 35685 — Toilet Block 1 GISID 8314 — Toilet Block 2 GISID 11250 — Toilet Block 3 GISID 35686 — Toilet Block 4 Lot 46 Plan SP241418
Part 3	ERA 63 (1a)(i) — Sewage treatment: 21-100 equivalent persons with treated effluent discharged to an infiltration trench or irrigation scheme	**Jardine River National Park Eliot Falls Camping Area** GISID 10969 Toilet Block A GISID 37795 Toilet Block B GISID 10990 Toilet Block C GISID 11006 – Toilet Block D Lot 26 Plan NPW404

Conditions of environmental authority

The environmentally relevant **activity**(ies) conducted at the location(s) as described above must be conducted in accordance with the following conditions of approval.

Part 1 – Applicable for all locations listed above.

Agency interest: General	
Condition number	**Condition**
P1 - G1	All reasonable and practicable **measures** must be taken to prevent the likelihood of environmental harm being caused.
P1 - G2	The **activity** must be undertaken in accordance with written procedures that: (a) identify potential risks to the environment from the **activity** during routine operations, closure and an emergency; (b) establish and maintain control **measures** that minimise the potential for environmental harm;

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	(c) ensure plant, equipment and **measures** are maintained in a proper and effective condition; (d) ensure plant, equipment and **measures** are operated in a proper and effective manner; (e) ensure that staff are trained in and aware of their obligations under the; *Environmental Protection Act 1994;* and (f) ensure that reviews of environmental performance are undertaken at least annually.
P1 - G3	All information and records required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the **administering authority** upon request and in the format requested.
P1 - G4	Any breach of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable, or at most, within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
P1 - G5	When required by the **administering authority,** monitoring must be undertaken in the manner prescribed by the **administering authority,** to investigate a **complaint** not considered by the **administering authority** to be frivolous or vexatious, of **environmental nuisance** arising from the **activity.** The monitoring results must be provided to the **administering authority** upon request.
P1 - G6	**You** must record the following details for all environmental complaints received: (a) date and time complaint was received; (b) name and contact details of the complainant; (c) nature of the complaint; (d) investigations undertaken; (e) conclusions formed; and (f) actions taken.
Agency interest: Air	
Condition number	**Condition**
P1 - A1	Odours or airborne contaminants must not cause **environmental nuisance** at a **sensitive place** or **commercial place.**

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Agency interest: Acoustic	
Condition number	**Condition**
P1 - N1	Noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place.**
Agency interest: Waste	
Condition number	**Condition**
P1 - W1	All waste generated in carrying out the **activity** must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
Agency interest: Water	
Condition number	**Condition**
P1 - WT1	Contaminants must not be released to any **waters.**

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Part 2 - Iron Range National Park — Chilli Beach Camping Area (GISID 35685 — Toilet Block 1, GISID 8314 — Toilet Block 2, GISID 11250 — Toilet Block 3 and GISID 35686 — Toilet Block 4)

Agency interest: General

Condition number	Condition
P2 - G1	This environmental authority permits the carrying out of a sewage treatment works using four (4) Gough microflush hybrid systems with a total maximum peak daily design capacity of 22 equivalent persons (EP) as shown in **Table 1: Sewage Treatment Works for Chilli Beach Camping Area,** to land application areas via advanced enviro-septic systems.

Table 1- Sewage Treatment Works for Chilli Beach Camping Area

Toilet #	System	GISID Number	Peak Design Capacity
1	Gough microflush hybrid 50 Person	35685	4EP
2	Gough microflush hybrid 75 Person	8314	7EP
3	Gough microflush hybrid 75 Person	11250	7EP
4	Gough microflush hybrid 50 Person	35686	4EP

Agency interest: Land

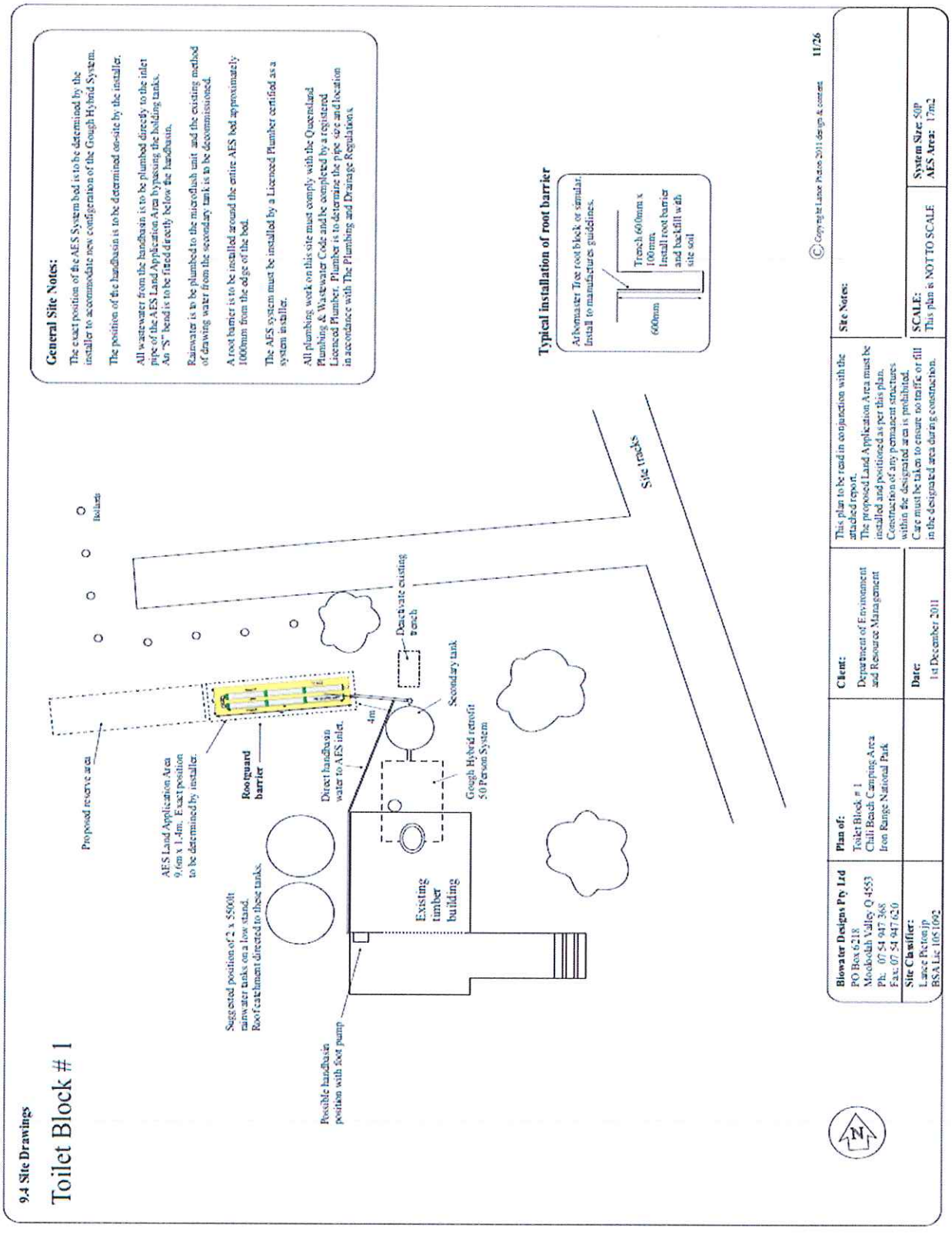
Condition number	Condition
P2 - L1	The only contaminants permitted to be released to land is advanced secondary treated effluent to the land application areas (i.e. the advanced enviro-septic systems) shown in **Schedule 1, 2, 3** and **4** in compliance with the conditions of this environmental authority.
P2 - L2	A minimum area of 13m^2 (toilets 1 and 4 as per **Table 1- Sewage Treatment Works for Chilli Beach Camping Area)** and 17m^2 (toilets 2 and 3 as per **Table 1- Sewage Treatment Works for Chilli Beach Camping Area),** excluding any necessary buffer zones, must be utilised for disposal of treated effluent.
P2 - L3	The disposal of treated effluent to land must be carried out in a manner such that: (a) soil erosion and soil structure damage is avoided; and (b) there is no surface ponding or runoff of effluent.

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Agency interest: Water	
Condition number	**Condition**
P2 - WT1	A **groundwater** monitoring system must: (a) be designed and installed by an **appropriately qualified person(s)** with experience and qualifications in hydrology and **groundwater** monitoring; and (b) include a sufficient number of bores installed at locations and depths which yield representative **groundwater** samples from at least the uppermost aquifer so as to: (i) detect any seepage of contaminants to **groundwater** from the site; and (ii) establish the quality of **groundwater** affected by any seepage of contaminants; and (c) include monitoring of background **groundwater** quality, with both hydraulically **up-gradient bore(s)** or **background bore(s)** that have not been affected by any release of contaminants to g**oundwater** from the **activity and** hydraulically **down gradient bore(s)** of the **activity.**

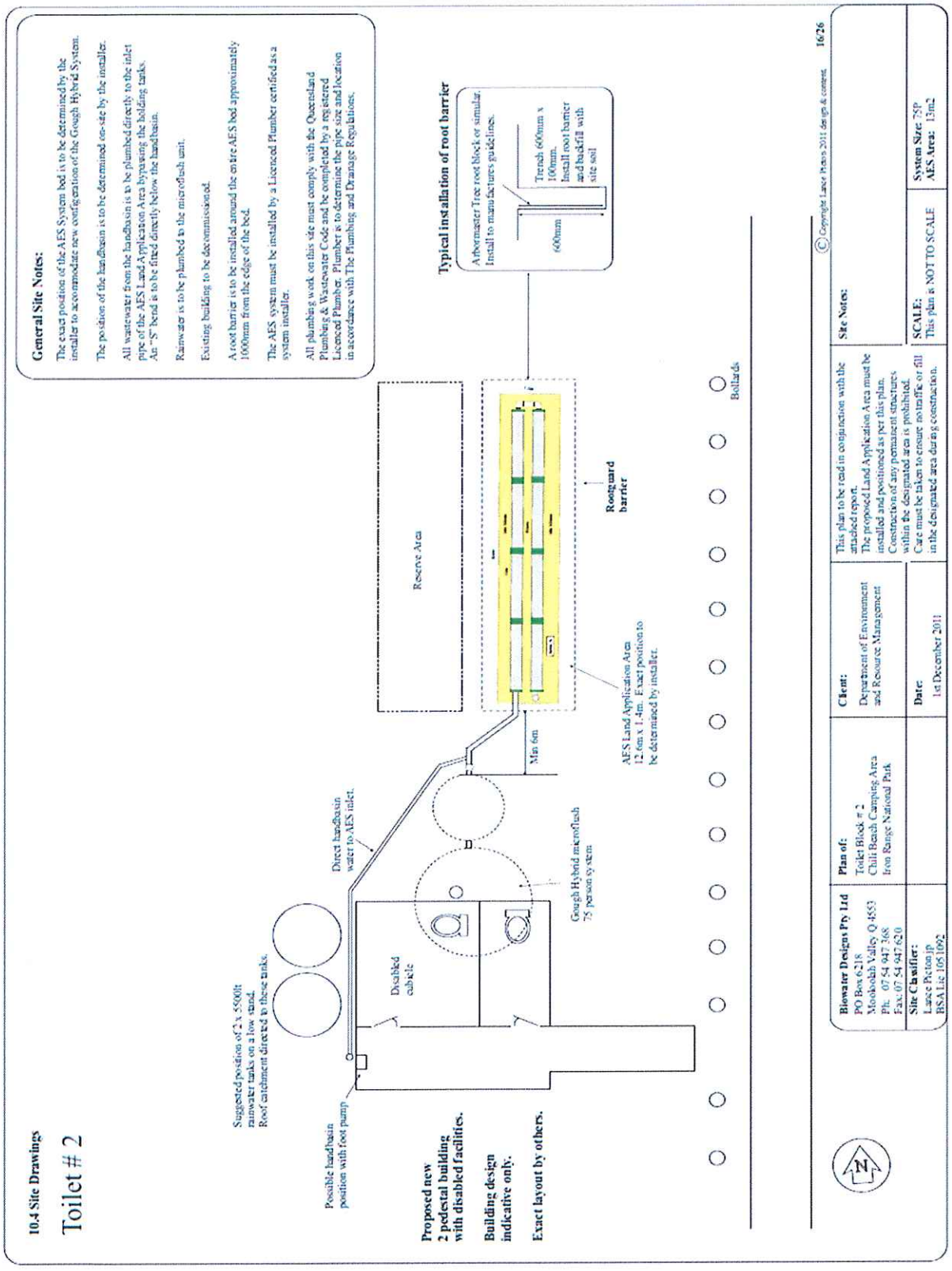
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Schedule 1 – Land Application Area (GISID 35685 – Toilet Block 1)



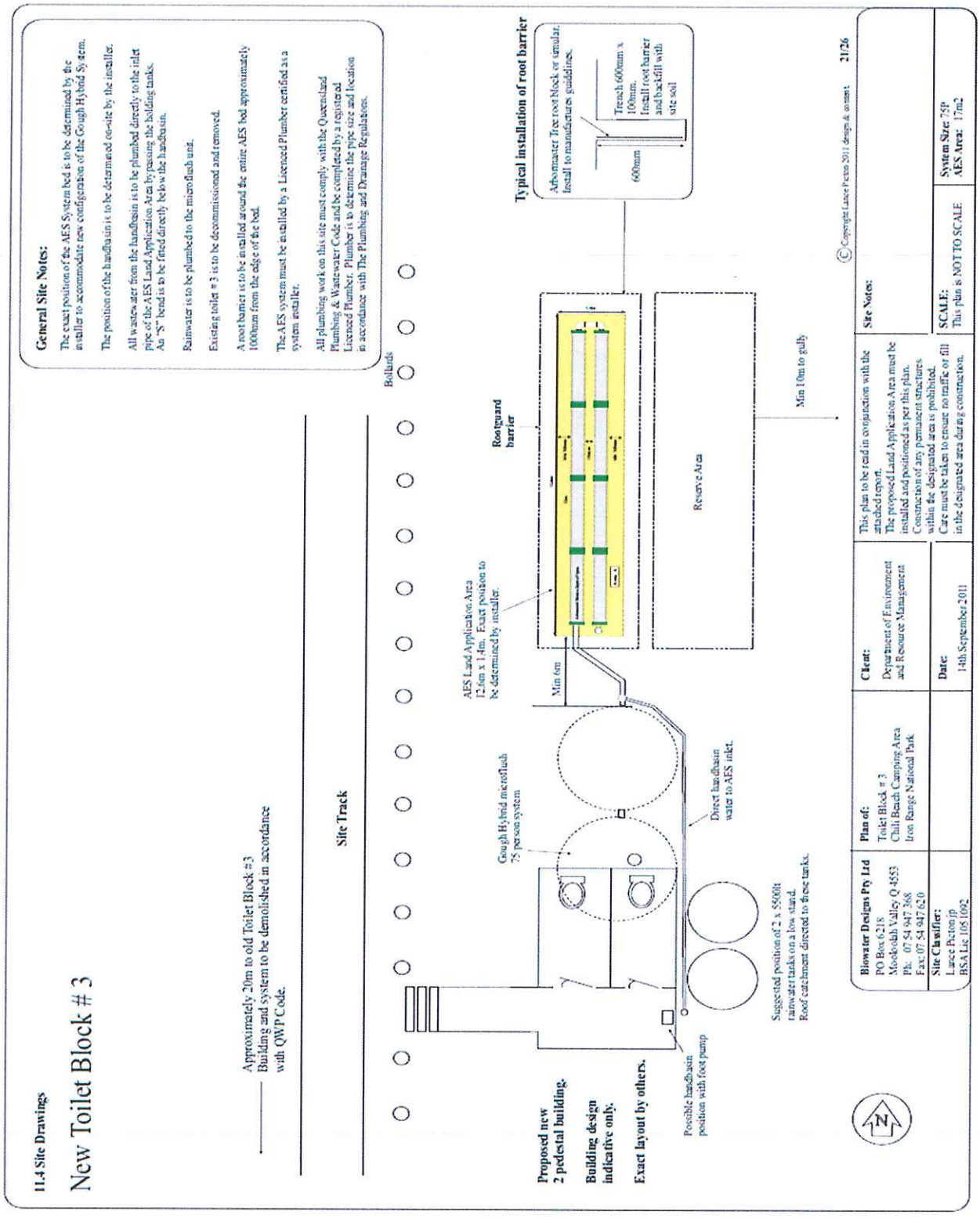
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Schedule 2 – Land Application Area (GISID 8314 – Toilet Block 2)



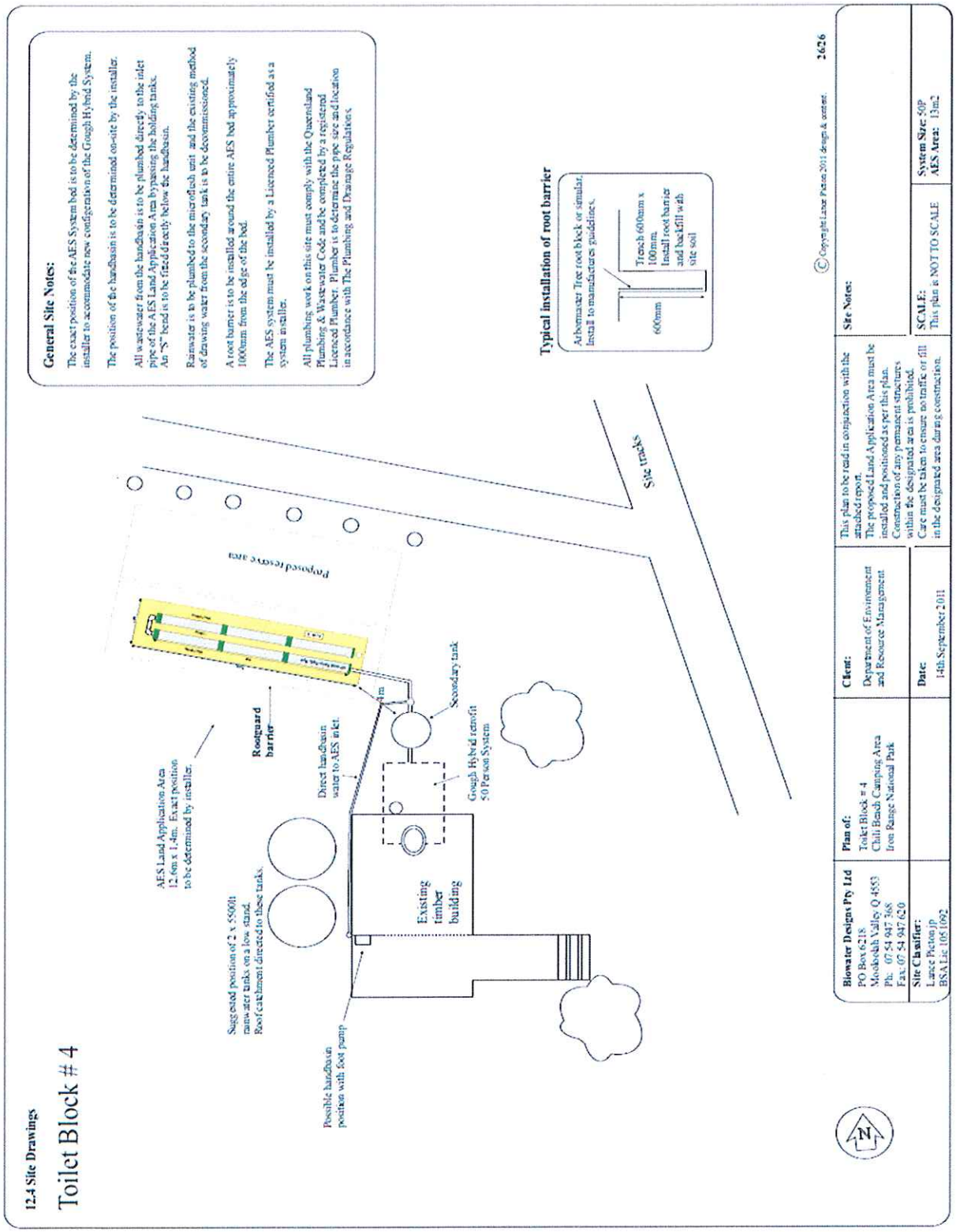
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Schedule 3 – Land Application (GISID 11250 – Toilet Block 3)



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Schedule 4 – Land Application Area (GISID 35686 – Toilet Block 4)



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Part 3 – Jardine River National Park – Eliot Falls Camping Area (GISID 10969 – Toilet Block A, GISID 37795 – Toilet Block B, GISID 10990 – Toilet Block C and GISID 11006 – Toilet Block D)

Agency interest: General

Condition number	Condition
P3 - G1	This environmental authority authorises the sewage treatment works with a total maximum peak daily design capacity of 31EP at the Eliot Falls Camping Area, Jardine River National Park at the locations shown in **Table 2 — Sewage Treatment Works for Eliot Falls Camping Area and Jardine river National Park** and set out in **Schedule 5** of this environmental authority.

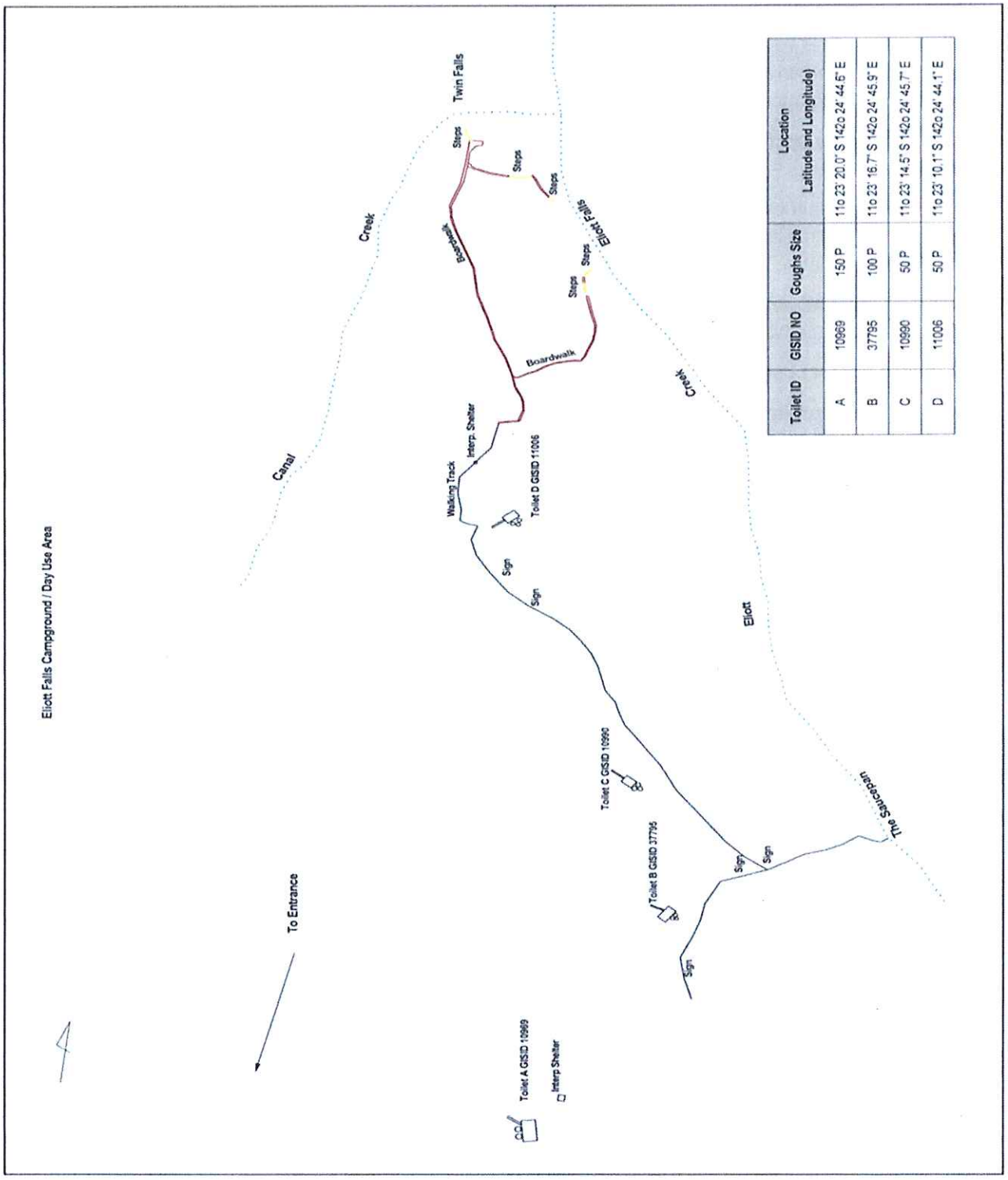
Table 2 - Sewage treatment works for Eliot Falls Camping Area and Jardine River National Park

Toilet Block	System	GISID Number	Peak Design Capacity
A	Gough Hybrid (Microflush) Toilet System 150 Person	10969	14EP
B	Gough Hybrid (Microflush) Toilet System 100 Person	37795	9EP
C	Gough Hybrid (Microflush) Toilet System 50 Person	10990	4EP
D	Gough Hybrid (Microflush) Toilet System 50 Person	11006	4EP

Agency interest: Land

Condition number	Condition
P3 - L1	The only contaminant permitted to be released to land is treated effluent to the land application areas in accordance with the plan specified shown in **Schedule 5** of this environmental authority.
P3 - L2	The minimum areas of land, excluding any necessary buffer zones, must be utilised for the disposal of treated effluent are as follows: (a) $30m^2$ for toilet block A (GISID 10969), (b) $20m^2$for toilet block B (GISID 37795), (c) $10m^2$ for toilet block C (GISID 10990); and (d) $10m^2$ for toilet block D (GISID 11006).

Schedule 5 — Land Application Area (GISID 10969 — Toilet Block A, GISID 37795 — Toilet Block B, GISID 10990 — Toilet Block C and GISID 11006 — Toilet Block D)



Toilet ID	GISID NO	Goughs Size	Location Latitude and Longitude)
A	10969	150 P	11o 23' 20.0" S 142o 24' 44.6" E
B	37795	100 P	11o 23' 16.7" S 142o 24' 45.9" E
C	10990	50 P	11o 23' 14.5" S 142o 24' 45.7" E
D	11006	50 P	11o 23' 10.1" S 142o 24' 44.1" E

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Definitions

Key terms and/or phrases bolded in this environmental authority are defined in this section. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills and experience relevant to the EA requirement and can give authoritative assessment, advice and analysis in relation to the EA requirement using the relevant protocols, standards, methods or literature.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Day means any 24 hour period.

Down-gradient bore means a background bore in a location hydraulically down gradient of those aspects of the **activity** that may affect **groundwater** quality.

Environmental nuisance as defined in Chapter 1 of the *Environmental Protection Act 1994.*
Groundwater means water that occurs naturally in, or is introduced artificially into, an aquifer.

Measures has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

Noxious means harmful or injurious to health or physical well-being.

Offensive means causing offence or displeasure; is unreasonably disagreeable to the sense; disgusting, nauseous or repulsive.

Prescribed contaminants means contaminants listed within Schedule 9 of the *Environmental Protection Regulation 2008.*

Release of a contaminant into the environment means to:

- deposit, discharge, emit or disturb the contaminant
- cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- allow the contaminant to escape
- fail to prevent the contaminant from escaping.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or

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- a protected area under the *Nature Conservation Act 1992,* the *Marine Parks Act 1992* or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- for noise, a place defined as a sensitive receptor for the purposes of the *Environmental Protection (Noise) Policy 2008.*

Up-gradient bore means a **background bore,** in a location hydraulically up gradient of all potential influences of the **activity** that may affect **groundwater** quality.

Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any **waters**, dams, non-tidal or tidal **waters** (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and **groundwater** and any part thereof.

You means the holder of the environmental authority.

END OF ENVIRONMENTAL AUTHORITY

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