

Permit

Environmental Protection Act 1994

Environmental authority EA0001371

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

Environmental authority number: EA0001371

Environmental authority takes effect on 18 July 2018

Environmental authority holder(s)

Name(s)	Registered address
IMPERIAL SAPPHIRE PTY. LTD.	Salomone Accountants Suite 3, 30 Park Road MILTON QLD 4064 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 2/SP102830

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).

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.

Environmental authority

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

Enquiries:
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Department of Environment and Science
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Email: palm@des.qld.gov.au

Date issued: 18 July 2018

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)

Legislative requirements and conditions of environmental authority

Legislative requirements

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Natural Resources and Mines (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Conditions of environmental authority

Agency interest: General	
Condition number	Condition
G1	Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations: 1. Inflows must not exceed the peak design capacity of 6 480 L/day on any day; and 2. Treated effluent must be disposed of via the sub surface Advanced Enviro-Septic (AES) infiltration bed system; and 3. The AES infiltration bed must be located in the designated area depicted in the <i>Detail Site Plans</i>, comprising in the Appendix 1 of the environmental authority; and 4. The total disposal area (comprising the AES bed area and the extension area) must be at least 810 m².
G2	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused by the activities .
G3	The activity must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the activity during routine operations, closure and an emergency 2. establish and maintain control measures that minimise the potential for environmental harm 3. ensure plant, equipment and measures are maintained in a proper and effective condition 4. ensure plant, equipment and measures are operated in a proper and effective manner 5. ensure that staff are trained in and aware of their obligations under the <i>Environmental Protection Act 1994</i> 6. ensure that reviews of environmental performance are undertaken at least annually.
G4	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.

G5	The activity must not cause environmental nuisance at a nuisance sensitive place .
G6	Any breach of a condition of this environmental authority must be reported to the administering authority within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions taken.
G7	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.
G8	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
G9	The receiving environment monitoring program must include at least the following: 1. A annual soil survey including at a minimum: ○ Monitoring the capacity of the effluent disposal area to sustainably assimilate nutrient loads arising from the release of treated effluent from the sewage treatment works; and ○ Soil samples taken within 1m of the AES beds and at the depth of the base of the AES bed; and ○ Soil samples taken at the down end of the extension area; and ○ Soil and sub-soil analysis, including assessment of the soils from a reference and representative locations, including type, structure, pH, phosphorus adsorption level and capacity, nutrient status, salinity and sodicity, and cation exchange capacity of the treated effluent disposal area; and ○ Periodic re-assessment including determination of the quantity and quality of contaminants applied to soils from the treatment and disposal system, modelling of the water, nutrient balances and application rate and return period to ensure sustainable use of the land disposal area; and ○ Reporting of monitoring results and an assessment of the impact of the releases on the disposal area. 2. An operation and inspection regime with recorded results including at least: ○ regular meter readings to ensure the peak design flow will not be exceeded through the system; ○ ensuring vegetation is not damaged by the disposal of the effluent ○ ensuring no surface ponding of effluent occurs from the disposal of effluent; ○ ensuring no migration of effluent beyond the area designated for the release of treated effluent. ○ regular management of vegetation to ensure that at the effluent disposal area, the vegetation is not overgrown, and the area is cleaned and mowed, and the clippings are removed from the area.

G10	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) certification, or an equivalent certification, for such analyses.
G11	You must prepare and submit an annual monitoring report to the administering authority by 30 November each year, for the preceding financial year. This report must include at least the following matters: a) summary and interpretation of the data from the receiving environment monitoring program in accordance with the Queensland Government's Receiving Environment Management Program Guideline; b) a summary of the previous twelve months monitoring results obtained in accordance with any of the monitoring requirements of this approval and, in graphical form showing relevant limits; c) an evaluation and explanation of the data from any monitoring programs; and d) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs.
G12	You must record the following details for all environmental complaints received: 1. date and time complaint was received 2. name and contact details of the complainant when provided and authorised by the complainant 3. nature of the complaint 4. investigations undertaken 5. conclusions formed 6. actions taken.
G13	When required by the administering authority , monitoring must be undertaken in the manner prescribed by the administering authority to investigate a complaint of environmental nuisance arising from the activity . The monitoring results must be provided within 10 business days to the administering authority upon its request.
Agency interest: Air	
Condition number	Condition
A1	Odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place .
Agency interest: Water	
Condition number	Condition
WT1	Contaminants must not be released from the site to any waters or the bed and banks of any waters (perennial and non-perennial), including groundwater.

Agency interest: Land	
Condition number	Condition
L1	Contaminants from the activity must not be released to land, except as authorised under this authority.
L2	The effluent disposal area must: a) be clearly delineated and fenced; and b) exclude camping, vehicular and any other public access.
L3	Treated effluent released to land must be done in accordance with documentation that ensures: (a) drainage to groundwater and subsurface flows of contaminants to surface waters are prevented (b) surface pondage and run-off of effluent is prevented (c) degradation of soil structure is minimised (d) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised (e) effluent disposal area is maintained with an appropriate crop in a viable state for transpiration and nutrient uptake (f) sufficient buffer zones are maintained between the disposal area and sensitive environmental receptors.
Agency interest: Waste	
Condition number	Condition
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.

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 activity to which the environmental authority relates.

Administering authority means the Department of Environment and Science 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 requirements and can give authoritative assessment, advice and analysis in relation to the EA requirements 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.

Disposal area means the area identified on Appendix 1 as the effluent **disposal area**.

Environmental nuisance as defined under Chapter 1 of the *Environmental Protection Act 1994*.

Environmental value as defined under Chapter 1 of the *Environmental Protection Act 1994*.

Extension area means the additional infiltration area designed on a down slope following the AES bed area identified in the AES system section plan on Appendix 2, part of the disposal area shown on Appendix 1.

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, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

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.

Receiving environment monitoring program means a monitoring program designed to monitor and assess the potential impacts of controlled and/or uncontrolled releases of contaminants to the environment from the **activity**.

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

Release of a contaminant into the environment means to:

- (a) deposit, discharge, emit or disturb the contaminant
- (b) cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- (c) fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- (d) allow the contaminant to escape
- (e) 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:

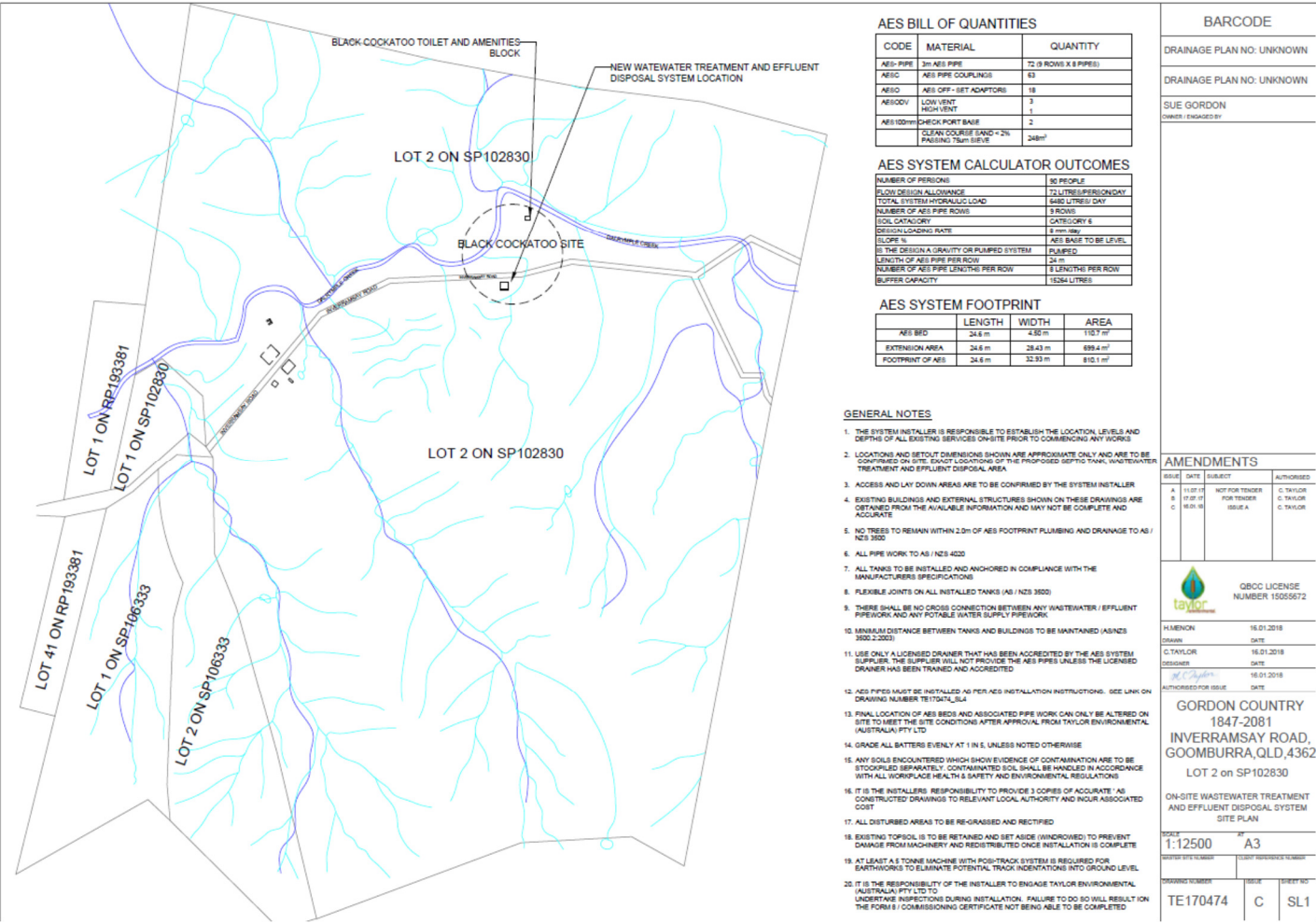
- 1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- 2. a motel, hotel or hostel; or
- 3. a kindergarten, school, university or other educational institution; or
- 4. a medical centre or hospital; or
- 5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
- 6. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

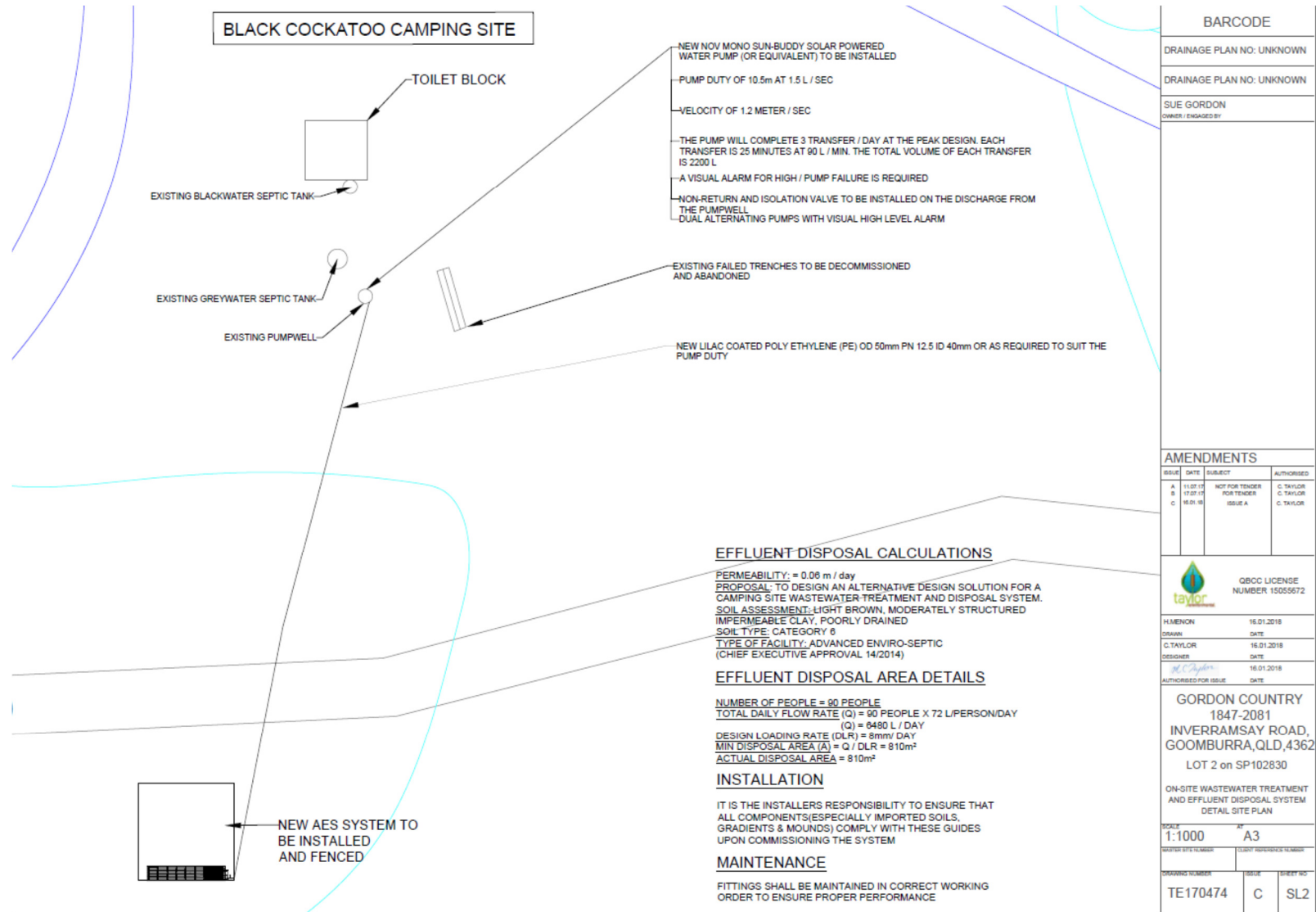
Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off,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

You means the holder of the environmental authority.

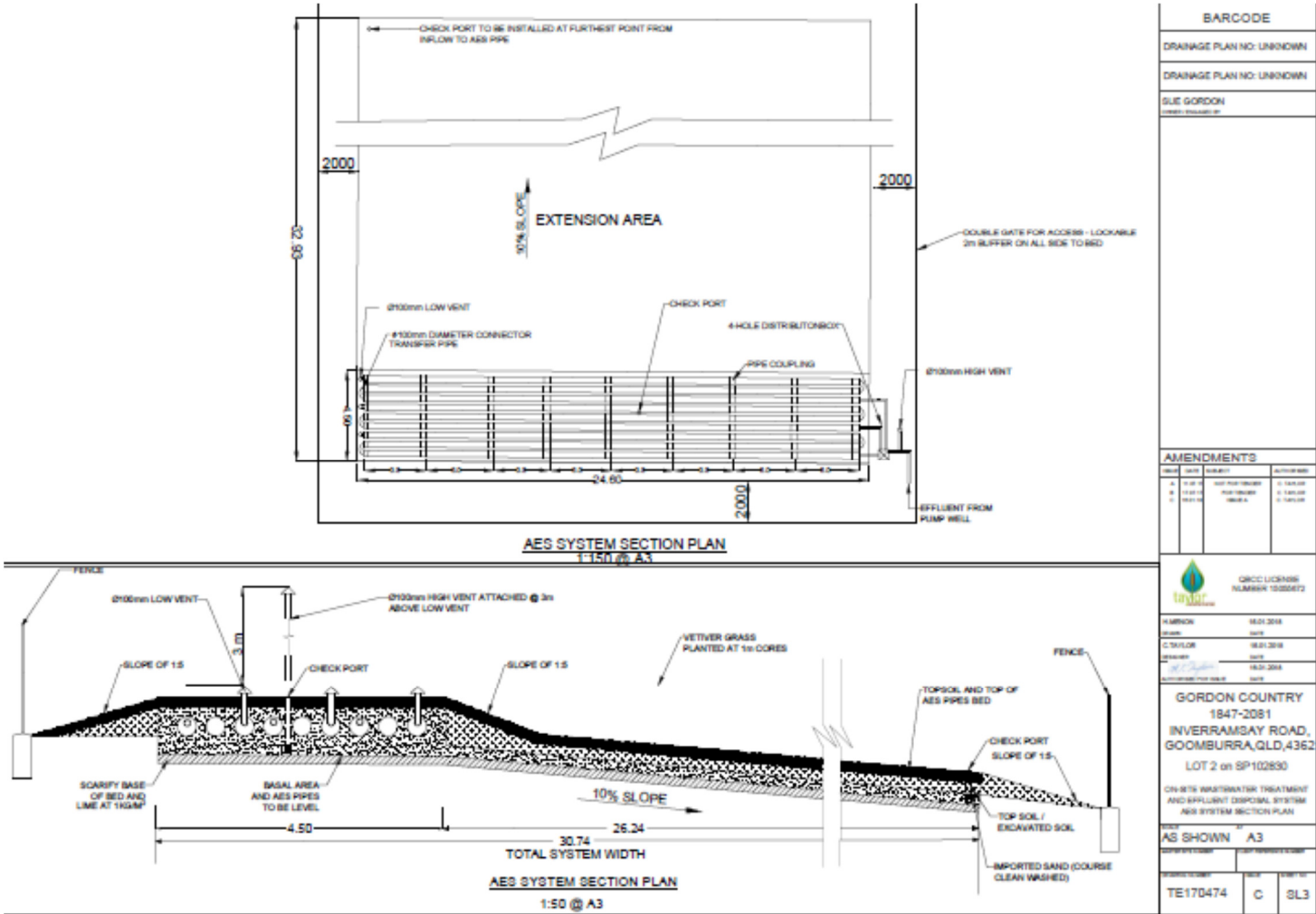
Appendices

APPENDIX 1 – Detail Site Plans





APPENDIX 2 - AES system section plans



END OF ENVIRONMENTAL AUTHORITY