

Permit

Environmental Protection Act 1994

Environmental authority EA0002401

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

Environmental authority number: EA0002401

Environmental authority takes effect on the day the authority is issued.

The anniversary date of this environmental authority remains 17 December.

Payment of the annual fee will be due each year on the anniversary day.

Environmental authority holder

Name	Registered address
Pinkenba Operations Pty Ltd	42 Barkly Street, ST KILDA VIC 3182

Environmentally relevant activity and location details

Environmentally relevant activities	Location
ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (b) more than 100,000t but not more than 1,000,000t	70, 74 and 82 Main Beach Road, PINKENBA QLD 4008
ERA 54 – Mechanical waste reprocessing 1: Operating a facility for receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only	Lot 94 SP303482, Lot 2 RP73256 & Lot 1 RP73256
ERA 62 - Resource recovery and transfer facility operation 1: Operating a facility for receiving and sorting, dismantling, baling or temporarily storing- (b) general waste	

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.

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.

The anniversary day of this environmental authority is the same day each year as the effective date. The payment of the annual fee will be due each year on this day.

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.



Signature

13 January 2022

Date

Stacey McLennan
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Waste Assessment
GPO Box 2454, BRISBANE QLD 4001
Phone: 1300 130 372
Email: palm@des.qld.gov.au

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)

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, Mines and Energy (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Location: 70, 74 and 82 Main Beach Road, PINKENBA QLD 4008 (Lot 94 SP303482, Lot 2 RP73256 & Lot 1 RP73256)

Relevant Activities: ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (b) more than 100,000t but not more than 1,000,000t

ERA 54 – Mechanical waste reprocessing 1: Operating a facility for receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only

ERA 62 - Resource recovery and transfer facility operation 1: Operating a facility for receiving and sorting, dismantling, baling or temporarily storing- (b) general waste

The environmentally relevant activities conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Agency Interest: General	
Condition number	Condition
G1	Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicable within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions taken.
G2	Activities under this environmental authority must be conducted in accordance with the following limitations: a) The only wastes which can be accepted on site are construction and demolition wastes and green waste. b) Uncontaminated soil and mud from construction and demolition activities can also be accepted on site for screening. c) The mechanical reprocessing of wastes must only be undertaken in the “crushing and screening area” in accordance with <i>Appendix A – Site Plans</i>.
G3	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused by the activities.
G4	Written procedures must be developed and documented within 3 months of the environmental authority taking effect that: a) identify all potential risks to the environment from the activity, including during and outside routine operations, during closure and in an emergency; and b) identify measures to prevent or minimise the potential for environmental harm for each of the potential risks identified; and c) establish an inspection and maintenance program for plant and equipment including calibration and servicing that is in accordance with manufacturer’s instructions; and d) establish a staff training program on obligations under this environmental authority and the <i>Environmental Protection Act 1994</i> to be conducted as part of staff inductions and at least annually; and e) establish processes to review environmental risks, incidents, performance and complaints.

G5	Written procedures required by condition G4 must be: a) implemented; and b) reviewed at least annually; and c) provided to the administering authority upon request at the time and in the format requested.
G6	For plant and equipment, all measures necessary to comply with the conditions of this environmental authority must be: a) installed, operated and maintained in a proper and effective manner; and b) in accordance with condition G4.
G7	All records must be kept for a period of at least five years and provided to the administering authority upon request.
G8	Chemicals, fuels and liquid wastes in containers of greater than 15 litres must be stored within a secondary containment system.
G9	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.
G10	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.
G11	The following details of all environmental complaints received must be recorded: 1. date and time the complaint was received; and 2. name and contact details of the complainant when provided and authorised by the complainant; and 3. nature of the complaint; and 4. investigations taken; and 5. conclusions formed; and 6. actions taken.
Agency Interest: Air	
A1	Odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place.
A2	Dust and particulate matter emissions must not exceed the following concentrations at any sensitive place or commercial place: a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 (or more recent editions); or b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM ₁₀) suspended in the atmosphere of 50 micrograms per cubic metre over a 24-hour averaging time, when monitored in accordance with Australian Standard AS 3580.9.6 (or more recent editions) or any other method approved by the administering authority; or c) a concentration of respirable crystalline silica (as PM _{2.5}) of 3 micrograms per cubic metre over a 1 year averaging time, when monitored in accordance with Australian Standard AS 3580.9.10 (or more recent editions) or any other method approved by the administering authority.

A3	An effective dust suppression system must be installed, operated and maintained on stockpiles to minimise the release of dust to the atmosphere.																									
A4	An effective dust suppression system must be installed, operated and maintained on equipment to minimise the release of dust to the atmosphere.																									
A5	Trafficable areas must be maintained using all reasonable and practicable measures necessary to minimise the release of wind-blown dust and traffic generated dust to the atmosphere.																									
Agency Interest: Water																										
WT1	Other than as permitted within this environmental authority, contaminants must not be released to any waters in a manner that causes or is likely to cause environmental harm.																									
WT2	Contaminants must only be released to surface waters in accordance <i>with Table 1 – Contaminant release points and release limits</i> and must be monitored in accordance with the specified monitoring frequency and associated requirements. Table 1 – Contaminant release points and release limits <table><tr><th rowspan="2">Release Point Description (GDA94 decimal degrees)</th><th rowspan="2">Quality characteristic (units)</th><th colspan="2">Release Limit</th><th rowspan="2">Minimum Monitoring Frequency</th></tr><tr><th>Minimum</th><th>Maximum</th></tr><tr><td rowspan="3">Discharge Location #1 Outlet pipe located on the corner of Gannon Road and Main Beach Road (Lat=-27.389466, Long=153.138813)</td><td>pH value</td><td>6.5</td><td>8.5</td><td rowspan="5">Weekly during discharge events</td></tr><tr><td>Total Suspended Solids (TSS)</td><td>-</td><td>6 mg/L</td></tr><tr><td>Dissolved oxygen</td><td>85% saturation</td><td>110% saturation</td></tr><tr><td>Discharge Location #2 Outlet pipe located on the corner of School Road and Main Beach Road (Lat=-27.388122, Long=153.139886)</td><td>Turbidity</td><td>-</td><td>50 NTU</td></tr><tr><td>Gross pollutants (>5mm)</td><td colspan="2">Nil</td></tr></table> Associated monitoring requirements - Monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's <i>Water Quality Sampling Manual</i>. - Samples must be taken using representative samples. - All determinations must employ analytical practical quantification limits sufficiently low enough to enable comparisons to be made against water quality objectives/limits relevant to the particular water quality characteristic. - Monitoring must be undertaken during a release as per the frequency stated. - All monitoring devices must be correctly calibrated and maintained. - Records of the volumes of water released from sediment ponds must be maintained.	Release Point Description (GDA94 decimal degrees)	Quality characteristic (units)	Release Limit		Minimum Monitoring Frequency	Minimum	Maximum	Discharge Location #1 Outlet pipe located on the corner of Gannon Road and Main Beach Road (Lat=-27.389466, Long=153.138813)	pH value	6.5	8.5	Weekly during discharge events	Total Suspended Solids (TSS)	-	6 mg/L	Dissolved oxygen	85% saturation	110% saturation	Discharge Location #2 Outlet pipe located on the corner of School Road and Main Beach Road (Lat=-27.388122, Long=153.139886)	Turbidity	-	50 NTU	Gross pollutants (>5mm)	Nil	
Release Point Description (GDA94 decimal degrees)	Quality characteristic (units)			Release Limit			Minimum Monitoring Frequency																			
		Minimum	Maximum																							
Discharge Location #1 Outlet pipe located on the corner of Gannon Road and Main Beach Road (Lat=-27.389466, Long=153.138813)	pH value	6.5	8.5	Weekly during discharge events																						
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	Dissolved oxygen	85% saturation	110% saturation																							
Discharge Location #2 Outlet pipe located on the corner of School Road and Main Beach Road (Lat=-27.388122, Long=153.139886)	Turbidity	-	50 NTU																							
Gross pollutants (>5mm)	Nil																									
WT3	The stormwater runoff from the facility generated by a 24 hour storm event with an average recurrence interval of 1 in 5 years must be retained on site and treated to remove contaminants before release.																									

Agency Interest: Noise							
N1	Other than as permitted within this environmental authority, noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place.						
N2	Noise from the activity must not include substantial low frequency noise components and must not exceed the levels identified in <i>Table 2 - Noise limits</i> when measured in accordance with the associated requirements at any sensitive place or commercial place.						
	Table 2 - Noise limits						
	Noise level measured in dB(A)	Monday to Friday			Weekends and Public Holidays		
		7am – 6pm	6pm – 10pm	10pm – 7am	7am – 6pm	6pm – 10pm	10pm – 7am
		Noise measured at the sensitive place					
	L _{Aeq adj,1hr}	49	45	36	45	36	36
	L _{Amax} average of the highest 15 single events over a given night period	N/A	N/A	49	N/A	49	49
		Noise measured at a commercial place					
	L _{Aeq adj,1hr}	55	N/A	N/A	55	N/A	N/A
	Associated requirements						
1. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual. 2. Any monitoring must be in accordance with the most recent version of the administering authority's <i>Noise Measurement Manual</i>. 3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation. 4. Monitoring location(s) must be relevant to the matter(s) under investigation. 5. Monitoring must include: a. L_{Aeq, adj,1hr}; b. Background noise (background) as L_{A90, adj, T}; c. The level and frequency of occurrence of any impulsive or tonal noise; d. Atmospheric conditions including wind speed and direction; e. Effects due to extraneous factors such as traffic noise; and f. Location, date and time of recording.							
Agency Interest: Land							
L1	Contaminants must not be released to land.						

Agency Interest: Waste	
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.
W2	The height of any stockpile (raw waste and processed waste) must not exceed 4 metres.
W3	The base dimensions of any raw waste stockpile must not exceed: 30m x 10m for construction and demolition waste; 5m x 5m for green waste; 50m x 50m for uncontaminated soil and mud.
W4	The base dimensions of any processed waste stockpile must not exceed: 50m x 10m for processed construction and demolition waste; 5m x 5m for processed green waste; 50m x 50m for processed uncontaminated soil and mud.
W5	Raw green waste and processed green waste stockpiles must be separated from any other stockpile by at least 5m.
W6	Raw construction and demolition waste stockpiles and processed construction and demolition waste stockpiles must be separated from any other stockpile by at least: 7m for a 10m x 10m stockpile; 9m for a 15m x 10m stockpile; 10m for a 20m x 10m stockpile; 11m for a 30m x 10m stockpile; 13m for a 50m x 10m stockpile.

Definitions

Key terms and/or phrases used in this document 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.

24 hour storm event with an average recurrence interval of 1 in 5 years means the maximum rainfall depth from a 24-hour duration precipitation event with an average recurrence interval of once in 5 years.

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 Science or its successors or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Background means noise, measured in the absence of the noise under investigation, as $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 per cent of the time period of not less than 15 minutes, using Fast response.

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.

Construction and demolition waste as defined in the Waste Reduction and Recycling Regulation 2011.

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

Green waste means grass cuttings, trees, bushes, shrubs, loppings of trees, bushes or shrubs, or similar matter produced as a result of the ordinary use or occupation of premises.

$L_{Aeq,adj,1hr}$ means an A-weighted sound pressure level of a continuous steady sound, adjusted for tonal character, that within a 1 hour period has the same mean square sound pressure of a sound that varies with time.

Land does not include **waters**.

Measures have the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

mg/L means milligrams per litre.

NTU means Nephelometric Turbidity Units.

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

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, **groundwater**, or surface waters.

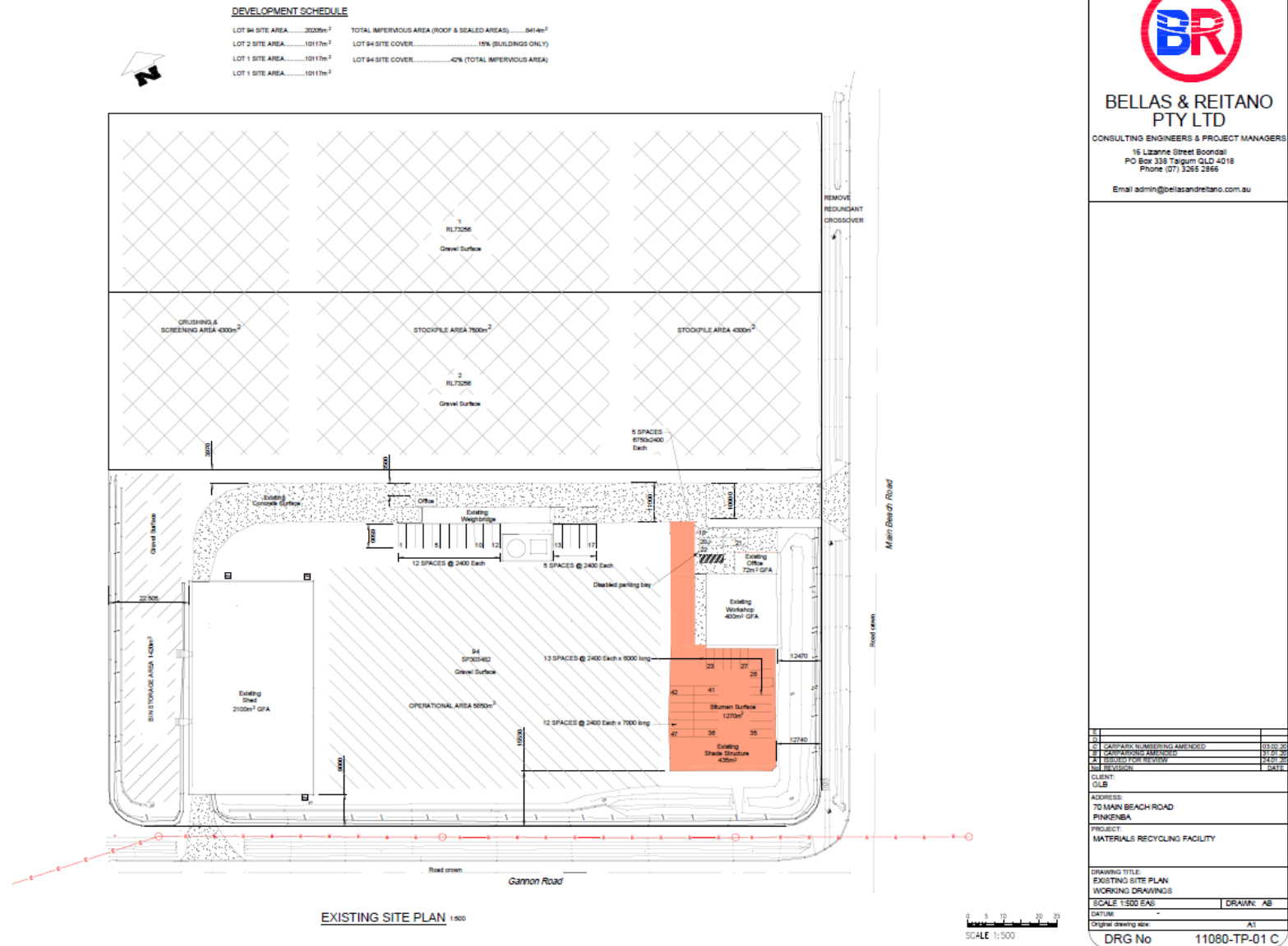
Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

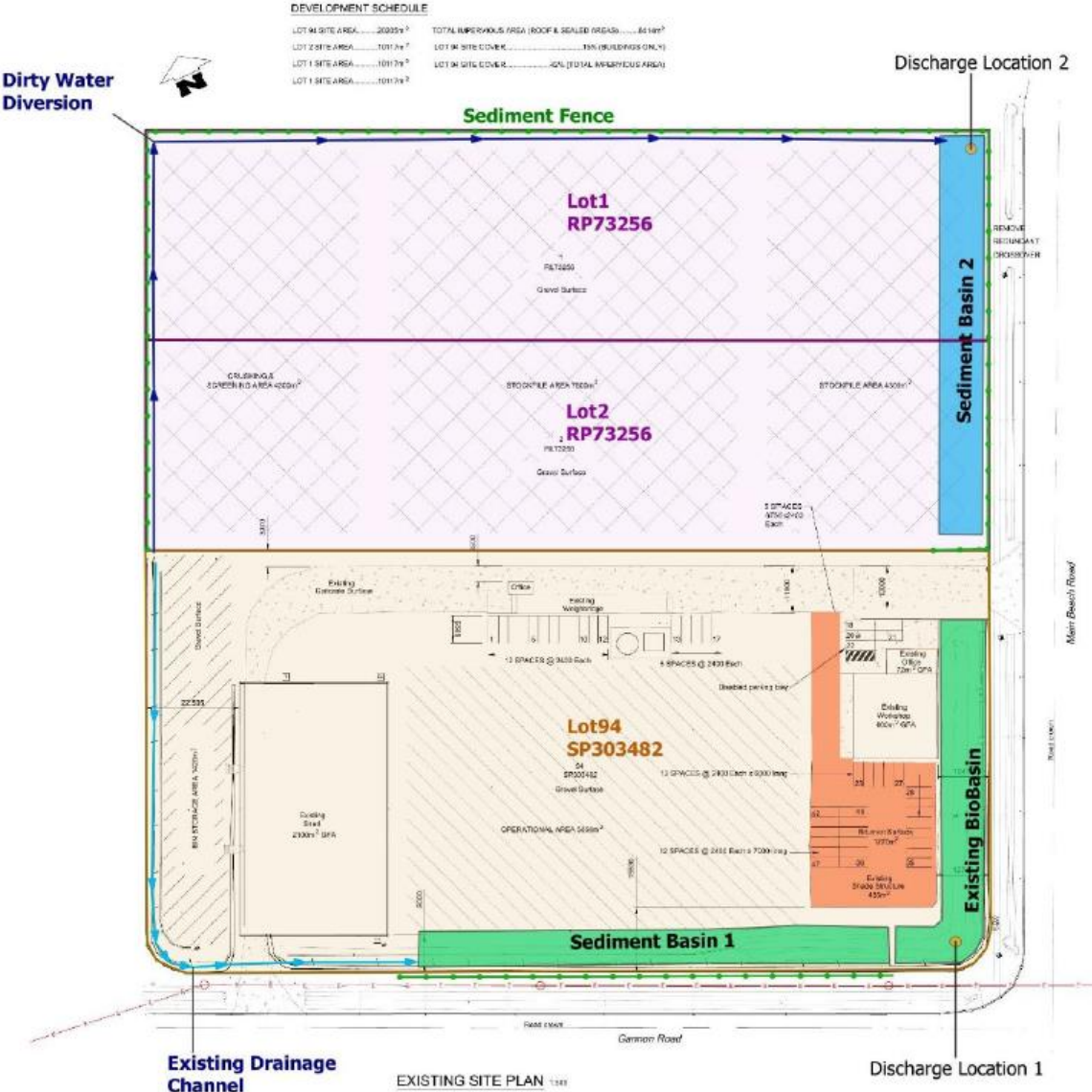
1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
6. a public park or garden; or
7. for noise, a place listed as a sensitive receptor in Schedule 1 of the Environmental Protection (Noise) Policy 2019.

Substantial low frequency noise means a noise emission that has an unbalanced frequency spectrum shown in a one-third octave band measurements, with a predominant component within the frequency range 10 to 200 Hz. It includes any noise emission likely to cause an overall sound pressure level at a noise sensitive place exceeding 55 dB(Z).

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.

Appendix A – Site Plans





END OF ENVIRONMENTAL AUTHORITY