

Environmental Protection Act 1994

Environmental authority EPPR00445713

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

Environmental authority number: EPPR00445713

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

The anniversary date of this environmental authority remains 4 October.

Environmental authority holder

Name	Registered address
Cleanaway Solid Waste Pty Ltd	Level 4, 441 St Kilda Road, Melbourne VIC 3004

Environmentally relevant activity and location details

Environmentally relevant activities	Location
ERA 60 - Waste disposal 2: Operating a facility for disposing of, in a year, the following quantity of waste mentioned in subsection (1)(b) (h) more than 200,000t	Lot 227 on SP103913 and Lot 268 on SP103913
ERA 54 - Mechanical waste reprocessing 2: Operating a facility for receiving and mechanically reprocessing, in a year, the following quantity of general waste- (c) more than 10,000t	
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. An annual return will be due each year on 01 March.

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.

Sally Thomas
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:

Waste and Contaminated Land 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)

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

Agency Interest: General	
Condition Number	Condition
G1	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused by the activities.
G2	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 undertaken.
G3	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G4	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 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.
G5	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.
G6	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.
G7	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.
G8	The activity must be undertaken in accordance with written procedures that: <ol style="list-style-type: none"> 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 and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and 6. ensure that reviews of environmental performance are undertaken at least annually.
G9	All reasonable and practicable measures must be taken to contain litter within the waste operations area, and retrieve litter released.
G10	A leachate collection system must be designed, installed and maintained by an appropriately qualified person to:

	<ol style="list-style-type: none"> 1. collect leachate generated in the landfill unit; 2. convey the collected leachate out of the landfill unit to an appropriate leachate storage facility; 3. restrict the height of the leachate above the liner system to a maximum level of 300mm or another value with equivalent leachate minimisation performance as agreed with the administering authority; and 4. measure and record the height of the leachate above the liner system on a daily basis where this level is greater than 300mm, or at least weekly at other times.
G11	<p>Leachate and stormwater runoff which has been in contact with waste materials in the landfill unit, must be collected in the leachate storage system and be:</p> <ol style="list-style-type: none"> 1. treated in the leachate treatment plant and discharged to sewer in accordance with the requirements of the relevant water utility; or 2. recirculated through the landfill unit; or 3. treated by alternative technologies agreed by the administering authority for offsite disposal, discharge, or onsite reuse; or 4. disposed of at a facility that is approved to receive such waste.
G12	<p>All reasonable and practicable measures must be taken to exclude vectors and pest species to the extent necessary to prevent:</p> <ol style="list-style-type: none"> 1. environmental nuisance to occupiers of neighbouring premises 2. any danger or risk to the health of any persons.
G13	<p>Financial Assurance</p> <p>A financial assurance must be provided to the administering authority in compliance with the following requirements:</p> <ol style="list-style-type: none"> (a) By 1 July 2000, a cash management account for the premises to which this environmental authority relates must be established in the Queensland Treasury Corporation to hold payments to the <i>Environmental Protection Act 1994</i> ("the Act") or pursuant to this agreement made with the Crown subject to the direction of the administering authority or the Minister; and (b) <ol style="list-style-type: none"> (i) that the holder of this environmental authority must at the start of each month set aside an amount equal to 0.5% of the gross gate receipts for the previous month and in January each year pay the amount that has been set aside for the previous year or \$15, 000, whichever is the larger amount, to the Crown's cash management account; and (ii) that the holder of this environmental authority must submit with the annual return copy of the previous year's documentation as proof as payment of the financial assurance to the Crown; and (iii) any administrative costs and fees of the trust fund referred to in (a) must be paid by the holder of this environmental authority; and (iv) that any tax payable arising out of the operation of the trust fund must be paid by the holder of this environmental authority.
G14	<p>The holder of this environmental authority must not apply for a redemption of the funds held in the cash management account until it is demonstrated to the administering authority in a competent manner using factually correct information that the landfill unit(s) within the landfill facility and surrounding site are</p>

	geotechnically stable and that no release of waste materials, leachate , uncontrolled landfill gas or other contaminants to the environment is likely.
Agency Interest: Air	
Condition Number	Condition
A1	Other than as permitted within this environmental authority, odours or airborne contaminants must not cause environmental nuisance to any noise 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 <i>Australian Standard AS 3580.10.1</i> (or more recent editions), or b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, when monitored in accordance with <i>Australian Standard AS 3580.9.6</i> (or more recent editions) or any other method approved by the administering authority .
A3	The person undertaking the activity to which this approval relates must install a monitoring station, in accordance with <i>Australian Standard AS2923 — 1987 (Ambient air – guide for measurement of horizontal wind for air quality applications)</i> (or a later standard), to continually record and log the following parameters: <ul style="list-style-type: none"> a) barometric pressure; b) humidity; c) temperature; d) rainfall; and e) wind speed and direction.
A4	When requested by the administering authority , dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring . Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: <ul style="list-style-type: none"> a) for a complaint alleging dust nuisance, dust deposition; and b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM₁₀) suspended in the atmosphere over a 24hr averaging time.
A5	The only material that can be used for dust suppression purposes are settled/treated stormwater that has not been in contact with waste and products specifically designed for dust suppression.
A6	Landfill gas must not exceed the following limits: <ol style="list-style-type: none"> 1. 25% of the lower explosive limit of the landfill site boundary when measured in facility structures (but excluding facility structures used for landfill gas control and recovery, and leachate collection system components) 2. the lower explosive limit in subsurface geology at or beyond the landfill site boundary

	3. 25% of the lower explosive limit within service pits, service trenches, stormwater drains or other structures beyond the landfill site boundary .															
A7	Additional measures must be taken to manage landfill gas if methane exceeds 500 parts per million at a height of 50mm above the final and intermediate cover surface including the batter slopes of the landfill unit .															
A8	A landfill gas collection system must be designed, installed, operated and maintained by appropriately qualified person(s) .															
A9	A landfill gas monitoring network must be installed for each landfill unit to measure landfill gas levels in facility structures and at the landfill site boundary . The network must consist of gas monitoring devices such as monitoring bores, and be developed, installed, operated and maintained by appropriately qualified person(s) .															
A10	Contaminants must not be released from any landfill gas flare emission point to the atmosphere															
	(a) from an emissions point that has a height less than that specified in <i>Table – Landfill gas flare emissions</i> ;															
	(b) at a velocity that is lower than the minimum velocity specified in <i>Table – Landfill gas flare emissions</i> ; or															
	(c) for each contaminant specified in <i>Table – Landfill gas flare emissions</i> — at a mass emission rate that is higher than the maximum release limit specified in the table. Table – Landfill gas flare emissions															
	<table><tr><th>Release point number</th><th>Minimum release height (metres)</th><th>Minimum velocity (m/sec)</th><th>Contaminant release</th><th>Maximum release limit</th><th>Sampling frequency</th></tr><tr><td rowspan="3">One (1)</td><td rowspan="3">8m</td><td rowspan="3">8</td><td>Nitrogen oxides (NO_x)</td><td>0.62 g/s</td><td rowspan="3">Within three (3) months of the equipment commissioning and approximately every twelve (12) months afterwards</td></tr><tr><td>Carbon monoxide (CO)</td><td>1.70 g/s</td></tr><tr><td>Non-methane hydrocarbons (NMHC)</td><td>0.18 g/s</td></tr></table>	Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Contaminant release	Maximum release limit	Sampling frequency	One (1)	8m	8	Nitrogen oxides (NO _x)	0.62 g/s	Within three (3) months of the equipment commissioning and approximately every twelve (12) months afterwards	Carbon monoxide (CO)	1.70 g/s	Non-methane hydrocarbons (NMHC)
Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Contaminant release	Maximum release limit	Sampling frequency											
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			Carbon monoxide (CO)	1.70 g/s												
			Non-methane hydrocarbons (NMHC)	0.18 g/s												
A11	The holder of this environmental authority must — (a) ensure the emissions from the landfill gas flare are monitored for each of the parameters, and at the frequency specified in condition (A10), <i>Table – Landfill gas flare emissions</i> ; and (b) ensure temperature is monitored continuously whilst the flare is operating; and (c) that the results of any such monitoring conducted over the preceding 12 months are given or sent to the administering authority with each annual return.															

A12	<p>The holder of this environmental authority must ensure that, when contaminant monitoring is conducted in accordance with condition (A10), <i>Table – Landfill gas flare emissions</i>, the following requirements are complied with:</p> <ul style="list-style-type: none"> (a) monitoring provisions for the release points listed in (A10), <i>Table – Landfill gas flare emissions</i> must comply with the <i>Australian Standard AS 4323.1 - 1995 'Stationary source emissions Method 1: Selection of sampling positions'</i>; (b) the following tests must be performed — <ul style="list-style-type: none"> (i) gas velocity and volume flow rate; (ii) temperature; and (iii) water vapour concentration (moisture content); (c) where practicable samples must be taken when emissions are expected to be at maximum rates; (d) time, date and duration of sampling must be recorded; and (e) test methods and methods' accuracies must be recorded.
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Agency Interest: Water

Condition Number	Condition																					
WT1	The only contaminants to be released to surface waters are settled treated water of a quality and from release points stated in <i>Table - Surface water release limits</i>																					
	Table - Surface water release limits																					
	<table><tr><th>Quality characteristic</th><th>Quality characteristic Limit</th><th>Release points and receiving water reference points</th><th>Frequency of Monitoring</th></tr><tr><td rowspan="3">Suspended Solids</td><td>50 mg/L (or more than 10% of the up-current receiving waters)</td><td>Final sedimentation basin to Void 10</td><td>In the event of a release.</td></tr><tr><td>N/A</td><td>An up-current point for comparison</td><td>In conjunction with and whenever monitoring of Suspended Solids is carried out for release from final sedimentation basin to Void 10</td></tr><tr><td>50 mg/L (maximum)</td><td>High efficiency sediment pond onto Chum Street</td><td>In the event of a release.</td></tr><tr><td rowspan="2">pH</td><td>6.5-9 (range)</td><td>Final sedimentation basin to Void 10</td><td>In the event of a release.</td></tr><tr><td>6.5-9 (range)</td><td>High efficiency sediment pond onto Chum Street.</td><td>In the event of a release.</td></tr></table>	Quality characteristic	Quality characteristic Limit	Release points and receiving water reference points	Frequency of Monitoring	Suspended Solids	50 mg/L (or more than 10% of the up-current receiving waters)	Final sedimentation basin to Void 10	In the event of a release.	N/A	An up-current point for comparison	In conjunction with and whenever monitoring of Suspended Solids is carried out for release from final sedimentation basin to Void 10	50 mg/L (maximum)	High efficiency sediment pond onto Chum Street	In the event of a release.	pH	6.5-9 (range)	Final sedimentation basin to Void 10	In the event of a release.	6.5-9 (range)	High efficiency sediment pond onto Chum Street.	In the event of a release.
	Quality characteristic	Quality characteristic Limit	Release points and receiving water reference points	Frequency of Monitoring																		
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		N/A	An up-current point for comparison	In conjunction with and whenever monitoring of Suspended Solids is carried out for release from final sedimentation basin to Void 10																		
		50 mg/L (maximum)	High efficiency sediment pond onto Chum Street	In the event of a release.																		
	pH	6.5-9 (range)	Final sedimentation basin to Void 10	In the event of a release.																		
6.5-9 (range)		High efficiency sediment pond onto Chum Street.	In the event of a release.																			

	Specific Conductance	more than 10% of the up-current receiving waters	Final sedimentation basin to Void 10	In the event of a release.
		N/A	An up-current point for comparison	in conjunction with and whenever monitoring of Suspended Solids is carried out for release from final sedimentation basin to Void 10
		more than 10% of the up-current receiving waters	High efficiency sediment pond onto Chum Street.	In the event of a release.
	Dissolved Oxygen	6mg/L (minimum)	Final sedimentation basin to Void 10	In the event of a release.
		6mg/L (minimum)	High efficiency sediment pond onto Chum Street.	In the event of a release.
	Total Organic Carbon	20mg/L (maximum)	Final sedimentation basin to Void 10	In the event of a release.
		20mg/L (maximum)	High efficiency sediment pond onto Chum Street.	In the event of a release.
WT2	Monitoring of contaminant releases to waters must be undertaken in accordance with condition (WT1) and records of the results must be kept.			
WT3	The stormwater runoff from disturbed areas, generated by (up to and including) a 24 hour storm event with an average recurrence interval of 1 in 10 years must be retained on site or managed to remove contaminants before release.			
WT4	All batteries, containers greater than 15 litres of liquid chemicals, fuels, and other liquid substances with potential to cause environmental harm must be stored within a secondary containment system that is impervious to the materials stored within it, and must be managed to prevent the release of contaminants to waters or land.			
Agency Interest: Acoustics				
Condition Number	Condition			
N1	Noise from the activity must not exceed the levels identified in <i>Table - Noise limits</i> when measured in accordance with the associated monitoring requirements.			
	Table – Noise Limits			
	Sound pressure (dB(A)) measured as	Location of measurement	Maximum compliance limit (dB(A))	

		LAeq, 10 min	At or beyond the boundary of the approved place but excluding at a nuisance sensitive receptor	45											
		LAeq, adj , 10 min	Measured at a nuisance sensitive receptor	43											
N2	When required by the administering authority , noise monitoring must be undertaken, in accordance with the associated monitoring requirements of <i>Table - Noise limits</i> in condition (N1), and the results notified within 14 days to the administering authority . Monitoring must include: 1. LAeq, adj, T 2. Background noise (Background) as LA 90, adj, T 3. Max LA,T 4. the level and frequency of occurrence of any impulsive or tonal noise 5. atmospheric conditions including wind speed and direction 6. effects due to extraneous factors such as traffic noise 7. location, date and time of recording.														
Agency Interest: Waste Management															
Condition Number	Condition														
W1	Only the following waste streams can be received at the site: <ul style="list-style-type: none">• general waste including inert construction and demolition material including concrete, bricks and tiles, non-reactive or inflammable scrap metal, green waste including trees, branches, non-chemically treated timber and other plant material;• limited regulated waste; and• contaminated soil.														
W2	<p>Limited regulated waste and any contaminated soil disposed of at the premises to which this environmental authority relates must be accepted subject to effectively implementing risk assessment practices and procedures for contaminant testing that ensure that the material accepted complies with the maximum contaminant levels and the allowable leaching contaminant levels prescribed in <i>Table - Maximum contaminant levels</i>, <i>Table - Allowable leaching contaminant levels</i> respectively and <i>Table - Maximum total contaminant levels in soils used as cover material</i> (note: this material is not suitable for final capping).</p> <p>Table - Maximum contaminant levels</p> <table><tr><td rowspan="2">Contaminant</td><td>Cells 1, 5, 5, 5A1</td><td>Cells 2, 2B, 3A, 3B, 4A, 4B, 5B</td></tr><tr><td>Maximum contaminant level for clay lined landfills (mg/kg)</td><td>Maximum contaminant level for double-lined landfills (mg/kg)</td></tr><tr><td colspan="3">Monocyclic aromatic hydrocarbons (MAH)</td></tr><tr><td>Benzene</td><td>10</td><td>20</td></tr></table>				Contaminant	Cells 1, 5, 5, 5A1	Cells 2, 2B, 3A, 3B, 4A, 4B, 5B	Maximum contaminant level for clay lined landfills (mg/kg)	Maximum contaminant level for double-lined landfills (mg/kg)	Monocyclic aromatic hydrocarbons (MAH)			Benzene	10	20
Contaminant	Cells 1, 5, 5, 5A1	Cells 2, 2B, 3A, 3B, 4A, 4B, 5B													
	Maximum contaminant level for clay lined landfills (mg/kg)	Maximum contaminant level for double-lined landfills (mg/kg)													
Monocyclic aromatic hydrocarbons (MAH)															
Benzene	10	20													

Ethyl Benzene	500	1,000
Toluene	300	600
Xylene	250	500
Total MAH	500	1,000
<i>Polycyclic aromatic hydrocarbons (PAH)</i>		
Total PAH	500	1,000
<i>Phenolic contaminants</i>		
Phenol	100	250
m-cresol	250	500
o-cresol	250	500
p-cresol	250	500
Total non-halogenated phenol	250	500
<i>Halogenated phenol</i>		
Chlorophenol	1	5
Pentachlorophenol	5	20
Trichlorophenol	5	20
Total halogenated phenol	5	20
<i>Chlorinated Hydrocarbons</i>		
Polychlorinated Biphenyl	2	-
<i>Chlorinated aliphatic compounds</i>		
Carbon tetrachloride	5	10
1,2 Dichloroethane	10	20
1,1 Dichloroethene	1	1
Tetrachloroethene	10	20
Trichloroethene	25	25
Total chlorinated aliphatic compounds	50	50
<i>Chlorinated aromatic compounds</i>		
Chlorobenzene	100	200
Hexachlorobenzene	1	1
Total chlorinated aromatic compounds	100	200
Non-scheduled solid polychlorinated biphenyls (PCBs)	-	50
<i>Pesticides</i>		
Total organochlorine	5	50
Total herbicides	25	50
Total carbamates	25	50
Total organophosphorus	10	50
<i>Petroleum hydrocarbons</i>		
Total petroleum hydrocarbons (C6-C9)	500	1,000

Total petroleum hydrocarbons (C10-C14)	5,000	10,000
Total petroleum hydrocarbons (C15-C28)	10,000	50,000
Total petroleum hydrocarbons (C29-C36)	10,000	50,000
<i>Metals / Non-metals</i>		
Arsenic (total)	200	-
Beryllium	40	-
Cadmium	40	-
Chromium (iii)	240,000	-
Chromium (vi)	200	-
Copper	2,000	-
Lead	600	-
Manganese	3,000	-
Methyl Mercury	20	-
Mercury (inorganic)	30	-
Nickel	600	-
Zinc	14,000	-

Table – Allowable leaching contaminant levels

Contaminant	Cells 1, 5, 5A, 5A1	Cells 2, 2B, 3A, 3B 4A, 4B, 5B
	Allowable leaching contaminant levels (TCLP) for clay lined landfills (mg/l)	Allowable leaching contaminant levels (TCLP) for double lined landfills (mg/l)
<i>Non specific contaminants</i>		
Biochemical oxygen demand	20,000	20,000
Total organic carbon	10,000	10,000
Petroleum hydrocarbons	25	50
<i>Metals/non-metals</i>		
Antimony	0.5	5
Arsenic	0.5	5
Barium	10	100
Cadmium	0.05	0.5
Chromium	0.5	5
Cobalt	0.5	5
Copper	10	200
Lead	0.5	5
Mercury	0.01	0.1

Molybdenum	0.1	5
Nickel	0.5	5
Selenium	0.1	1
Silver	0.5	10
Thallium	0.1	1
Tin	0.3	3
Vanadium	0.5	5
Zinc	50	500
<i>Inorganic anions</i>		
Bromide	5	50
Chloride	6,000	6,000
Cyanide (total)	1	8
Fluoride	15	150
Nitrate	100	5,000
Sulphate	2,500	50,000
<i>Monocyclic aromatic hydrocarbon (MAH)</i>		
Benzene	0.1	1
Ethyl benzene	5	50
Toluene	3	80
Xylene	2	60
Total MAH	5	80
<i>Polycyclic aromatic hydrocarbons (PAH)</i>		
Anthracene	0.07	0.7
Benz (a) anthracene	0.005	0.05
Benz (c) phenanthrene	0.005	0.05
Benzo (a) pyrene	0.002	0.02
Benzo (b) fluoranthene	0.005	0.05
Benzo (k) fluoranthene	0.005	0.05
Chrysene	0.1	0.1
Dibenz (a,h) anthracene	0.002	0.02
Dibenz (a,h) pyrene	0.01	0.1
Dimethylbenz (a) anthracene	0.005	0.05
Fluoranthene	0.02	0.2
Indeno (1,2,3-cd) pyrene	0.01	0.1
Naphthalene	0.07	0.7
Phenanthrene	0.01	0.1
Pyrene	0.07	0.7
Total PAH	0.1	1
<i>Phenolic contaminants</i>		
<i>Non halogenated compounds:</i>		

Phenol	1	10
m-cresol	2	20
o-cresol	2	20
p-cresol	2	20
<i>Halogenated phenols</i>		
Chlorophenol	0.01	0.1
Pentachlorophenol	0.1	1
Trichlorophenol	0.1	1
Chlorinated hydrocarbons		
<i>Chlorinated aliphatic compounds</i>		
Carbon tetrachloride	0.03	0.3
1,2 Dichloroethane	0.1	1
1,1 Dichloroethene	0.003	0.03
Tetrachloroethene	0.1	1
Trichloroethene	0.3	3
<i>Chlorinated aromatic compounds</i>		
Chlorobenzene (total)	1	30
Hexachlorobenzene	0.002	0.02
<i>Pesticides</i>		
<i>Organochlorine</i>		
Aldrin	0.001	0.03
Chlordane	0.006	0.1
Chlorpyrifos	0.01	-
Dieldrin	0.001	0.03
DDT	0.003	2
Endrin	0.001	0.03
Heptachlor	0.003	0.03
Lindane	0.1	2
Methoxychlor	0.1	30
Toxaphene	0.005	0.05
<i>Herbicides</i>		
2,4-D	0.1	3
2,4-DB	0.2	2
2,4,5 -T	0.002	10
MCPA	0.2	2
<i>Carbamates:</i>		
Carbaryl	0.06	3
Carbofuran	0.03	1
<i>Organophosphorus</i>		
Diazinon	0.01	0.3
Methyl Parathion	0.006	10

	Parathion	0.03	1
	Triazines:		
	Atrazine	0.01	-
	Simazine	0.01	-
	Table – Maximum total contaminant levels in soils used as cover material (note: this material is not suitable for final capping)		
	Contaminant	Maximum total contaminant levels in soils used as cover material (mg/kg)	
	Arsenic (total)	200	
	Beryllium	40	
	Cadmium	40	
	Chromium (iii)	240,000	
	Chromium (vi)	200	
	Copper	2,000	
	Lead	600	
	Manganese	3,000	
	Mercury (inorganic)	30	
	Methyl Mercury	20	
	Nickel	600	
	Zinc	14,000	
W3	In addition to condition (W1), the following waste streams must not be permitted to be placed at the landfill facility at any time: <ol style="list-style-type: none">liquid or semiliquid waste, other than:<ol style="list-style-type: none">liquid or semi-liquid waste which has been produced in the carrying out of the activity;liquid or semi-liquid waste that is incidental to, and commingled with, the permitted waste streams.hot ash;material that is smouldering or aflame;material containing a substance which is ignitable, corrosive, reactive or toxic material (other than materials containing a toxic substance from domestic premises);all radioactive wastes, unless otherwise approved under the <i>Radiation Safety Act 1999</i> or approved contaminated soil;an explosive;ammunition, other than ammunition that no longer contains explosives, pyrotechnics or propellants apart from trace residues that are no longer capable of supporting combustion or an explosive reaction;any putrescible waste, except for minor amounts from industrial and commercial premises in quantities of no more than 5% by mass in any one load.		

W4	Deposited waste must be covered as soon as practicable to limit stormwater infiltration, prevent exposure of waste and prevent issues arising from vectors and pest species.
W5	Excepting combustion of landfill gas, waste must not be burnt.
W6	<p>When the deposition of waste to the landfill unit ceases, a final capping system to the landfill unit must be designed by an appropriately qualified person and installed to minimise:</p> <ol style="list-style-type: none"> 1. infiltration of water into the landfill unit and water ponding on the surface; and 2. the likelihood of any erosion occurring to either the final capping system or the landfilled materials. <p>A final capping system is not required where the deposition of waste to a landfill unit ceases temporarily for the purpose of using an alternative working face.</p>
W7	<p>Land that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that:</p> <ol style="list-style-type: none"> 1. suitable species of vegetation for the location are established and sustained for earthen surfaces 2. potential for erosion is minimised 3. the quality of water, including seepage, released from the site does not cause environmental harm 4. potential for environmental nuisance caused by dust is minimised 5. the water quality of any residual water body does not have potential to cause environmental harm 6. the final landform is stable and protects public safety 7. the contaminant concentrations within the final capping layer are appropriate for the final land use and in accordance with the '<i>National Environmental Protection (Assessment of Soil Contamination) Measure 1999.</i>'
W8	Following cessation of deposition of waste in the landfill facility , post-closure care of the landfill facility must be conducted for a period of 30 years or until the administering authority determines, on the basis of correct information, that the landfill facility and surrounding site are stable and that no release of waste materials, leachate , landfill gas or other contaminants that may cause environmental harm is likely.
W9	<p>The program of post-closure care implemented must be effective in preventing and/or minimising the likelihood of environmental harm being caused. The program must include measures to:</p> <ol style="list-style-type: none"> 1. maintain the structural integrity and effectiveness of the final capping system; 2. maintain and operate the leachate collection system; 3. maintain the groundwater monitoring system and monitor quality of groundwater at a frequency sufficient to detect any release of contaminants to groundwater; 4. maintain and operate the landfill gas monitoring system; and 5. maintain and operate the landfill gas collection system.
W10	A site management plan pursuant to Chapter 7, Part 8, Division 5 of the <i>Environmental Protection Act 1994</i> must be developed and provided to the administering authority at least 12 months before the expected final receipt of waste in the landfill facility . The site management plan must include, but is not to be

	limited to, the future land use and actions intended to taken for compliance with the closure and post-closure care requirements of this approval.
Agency Interest: Self-Monitoring and Reporting	
Condition Number	Condition
<i>H1</i>	As soon as practicable, but not more than six weeks following the conduct of any environmental monitoring performed in relation to the emergency or incident that results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of the environmental authority must provide written advice of the results of any such monitoring performed to the administering authority .
<i>H2</i>	Exception Reporting The holder of this environmental authority must notify the administering authority in writing of any monitoring result that indicates an exceedance of or non-compliance with any limit stipulated within this environmental authority within 28 days of completion of analysis indicating the exceedance or non-compliance.
<i>H3</i>	The written notification required by condition (H2) above must include: (i) the full analysis results; and (ii) details of investigation or corrective actions taken; and (iii) any subsequent analysis. <i>(NOTE: Any relevant notification given under Duty to Notify of Environmental Harm of the Act that contains the information specified in condition (H2) is also notification under condition (H2)).</i>
<i>H4</i>	Annual Monitoring Report Any monitoring data compiled, collected or recorded, including waste recording, as required by conditions of this environmental authority must be evaluated, summarised and reported to the administering authority on an annual basis with the annual return. Each Annual Monitoring Report must be given to the administering authority with the annual report in a clear summarised format as follows: Results of the required determinations of any groundwater quality reporting period must be reported: (i) in a tabular format, showing: (a) date sampled; (b) any differences in trends in groundwater quality (compared to baseline data) as detected from the groundwater monitoring system results; and (ii) graphically showing data referred to in part (i) of this condition versus time. Results of the required determinations of the quality characteristics of waters released to surface receiving waters for the reporting period must be reported: (i) in a tabular format, showing: (a) date, times, and day of week sampled; (b) any non-compliance with the release limits of all quality characteristics specified in <i>Agency Interest: Water</i> , of the relevant part of this environmental authority that applies to that licensed place ; and (ii) graphically showing data referred to in part (i) of this condition versus time.

H5	<p>Groundwater Monitoring</p> <p>A groundwater monitoring system must be installed and maintained at the premises to which this environmental authority relates. The system must include a sufficient number of wells installed at locations and depths that yield representative groundwater samples from the uppermost aquifer and that establish:</p> <p>(i) background groundwater quality in hydraulically up-gradient or background well(s) that have not been affected by any potential leakage of contaminants to groundwater from the premises to which this environmental authority relates; and</p> <p>(ii) quality of groundwater down-gradient of any potential leakage of contaminants to groundwater from the premises to which this environmental authority relates, including groundwater passing the point(s) of compliance that must be situated not more than 150 metres from the landfill cell or the boundary of the landfill facility, whatever is the closest.</p>	
H6	The groundwater monitoring system must be developed by a person possessing appropriate qualifications and experience in the fields of hydrogeology and groundwater monitoring program design to be able to competently make recommendations about these matters.	
H7	The locations of wells and groundwater monitoring facilities that comprise the groundwater monitoring system must be given with reference to horizontal coordinates of such facilities accurate to 1.0 metre.	
H8	<p>Except as otherwise provided, the holder of this environmental authority must monitor and record quality of groundwater to detect any possible release(s) of contaminants in accordance with the Detection Groundwater Monitoring Program. The Detection Groundwater Monitoring Program must be undertaken for, at least, the following water quality characteristics:</p> <table><tr><td>Ammonia (as N) Bicarbonate(HCO3) Calcium Chloride Iron (total) Lead Nitrate (as N) pH Potassium Sodium Sulphate specific conductance Total Organic Carbon (TOC) Zinc</td></tr></table>	Ammonia (as N) Bicarbonate(HCO3) Calcium Chloride Iron (total) Lead Nitrate (as N) pH Potassium Sodium Sulphate specific conductance Total Organic Carbon (TOC) Zinc
Ammonia (as N) Bicarbonate(HCO3) Calcium Chloride Iron (total) Lead Nitrate (as N) pH Potassium Sodium Sulphate specific conductance Total Organic Carbon (TOC) Zinc		
H9	The holder of this environmental authority must determine whether or not there has been any statistically significant increase over background values at locations hydraulically down-gradient of the landfill unit for any water quality characteristic required to be monitored under the Detection Groundwater Monitoring Program.	
H10	On any occasion that samples are obtained, the holder of this environmental authority must measure and record standing groundwater levels in metres, accurate to 0.01 metres. The elevation of the reference point, relative to Australian Height Datum, for	

	use in any groundwater level measurement must be determined to an accuracy of 0.005 metres.
H11	Measurement of groundwater levels must be undertaken prior to any disturbance by sampling, and must be reported as the depth in metres from the established reference point to the water surface within the bore.
H12	All determinations of the quality of groundwater, contaminants released to surface waters or recirculated leachate must be made in accordance with methods prescribed in the most recent version of the administering authority's Water Quality Sampling Manual or supplements to that document as such become available.
H13	The holder of this environmental authority must monitor and record groundwater quality as often as is necessary to check compliance with the conditions of this environmental authority but not less frequently than every 6 months.
H14	Environmental Monitoring Program/Record Keeping The holder of this environmental authority must develop and implement an effective environmental monitoring program as required by this environmental authority for any groundwater monitoring, any receiving surface water monitoring and any landfill gas monitoring.
H15	The environmental monitoring program required by condition (H14) must address at least: <ul style="list-style-type: none"> (i) the type and location of all environmental monitoring facilities; (ii) monitoring frequencies; (iii) sampling and monitoring procedures; (iv) clear and understandable explanation of the methodology to be used in the assessment of the monitoring results (including statistical tests to be used in the interpretation of data collected in the groundwater quality monitoring program); and (v) the proposed responses in the event of detection by the environmental monitoring program of any release of contaminants not likely to be in accordance with the conditions of this environmental authority.

Definitions

For the purposes of this environmental authority any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the Definitions Schedule of this environmental authority has the meaning conferred to that term in its common usage.

In the event of any inconsistency arising between the meanings of any term provided in the Definitions Schedule of this environmental authority and any common usage of that term, the meaning conferred in the Definitions Schedule of this environmental authority prevails.

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

An up-current point means any sampling point in Six Mile Creek situated between 20 and 40 metres distant from the confluence of Void 10 and Six Mile Creek in the upstream direction.

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.

Background noise level means $L_{A90, T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period not less than 15 minutes, using Fast response.

Boundary means within one metre of the cadastral boundary of the site.

Clay lined means a landfill lined with compacted clay at least 600 mm thick achieving a maximum permeability of 1×10^{-9} metres per second or alternate such as an engineered geosynthetic agreed in writing as equivalent in performance by the **administering authority**.

Commercial place means a place, other than a noise sensitive place, used as an office or for business or commercial purposes.

Dwelling means any of the following structures or vehicles that is principally used as a residence:

- (a) a house, unit, motel, nursing home or other building or part of a building;
- (b) a caravan, mobile home or other vehicle or structure on **land**;
- (c) a watercraft in a marina.

Double lined means a landfill lined with compacted clay at least 600mm thick achieving a maximum permeability of 1×10^{-9} metres per second overlain with 1.5mm HDPE synthetic liner or alternate double liner system agreed in writing as equivalent in performance by the **administering authority**.

Groundwater monitoring system means a system of groundwater monitoring devices, such as monitoring bores, used to provide data in respect to the level and quality of groundwater in the **uppermost aquifer** where the location of the groundwater monitoring devices is such that comparisons of groundwater quality and groundwater level can be made between groundwater

flowing from beneath the site (down-gradient flow) of the activity and groundwater flowing towards the site of the activity (up-gradient flow).

Landfill facility means land and structures at the **licensed place** used for the disposal of solid waste.

Landfill unit means a discrete area of land or an excavation that receives solid waste, as depicted in Figure 1 and Figure 2.

Leachate means a **liquid** that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the **licensed place** that contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

Leachate storage system is the current approved on-site **leachate** storage ponds, collection pumps and associated pipework.

Licensed place means the site generally described as Chum Street, NEW CHUM QLD 4303 (Lot 227 SP103913) and 20 Rhondda Road, NEW CHUM QLD 4301 (Lot 268 SP103913).

Limited regulated waste means any of the following types of regulated waste—

- a) asbestos;
- b) shredded tyres;
- c) treatment tank sludge.

Liquid means any substance that:

1. has an angle of repose of less than five degrees; or
2. becomes free flowing at or below 60 degrees Celsius or when it is transported; or
3. is not generally capable of being picked up by a spade or shovel.

Lower explosive limit means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25°C and atmospheric pressure.

$L_{Aeq\ adj, T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the activity is causing a steady state noise, and no shorter than one hour when the approved activity is causing an intermittent noise.

$Max_{LpA, T}$ means the maximum A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

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 defined as a sensitive receptor for the purposes of the *Environmental Protection (Noise) Policy 2019*.

Putrescible waste means waste food or waste animal matter (including dead animals and animal parts), and includes any mixtures of such waste.

Release points for the purpose of condition (WT1), *Table 1 - Surface water release limits* are as follows:

- Final sedimentation basin to Void 10 defined (GDA94) as: S 27° 37' 03.5" E 152° 50' 24.7"
- High efficiency sediment pond onto Chum Street defined (GDA94) as S 27° 36' 36.1" E 152° 49' 50.1".

Semiliquid waste (semifluid) means imperfectly fluid, having both fluid and solid characteristics (*The Macquarie Dictionary*).

Tank means any individual container for holding a chemical and having a capacity of more than 250 litres.

Toxicity Characteristic Leaching Procedure (TCLP) means the test described in "U.S. EPA: *Toxicity Characteristic Leaching Procedure (TCLP)*" Federal Register, 40 CFR, Vol. 51, No. 286, Appendix 2, Part 268, page 40643 or as modified to reflect non-acidic leaching procedures suitable for waste characteristic assessment where codisposal with **putrescible wastes** will not occur.

Uppermost aquifer means the geologic formation nearest to the natural ground surface that is an aquifer. The term includes any aquifers that are likely to be hydraulically interconnected with this aquifer within the **landfill facility** property **boundary**.

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 runoff and any underground water, any part thereof.

Figure 1. Site Layout



Figure 2. Landfill Unit



END OF PERMIT

Notice

Environmental Protection Act 1994

Decision on minor amendment application

This non-statutory notice is issued by the administering authority to advise you that your minor amendment application has been approved under section 240(2) of the Environmental Protection Act 1994.

To: CLEANAWAY SOLID WASTE PTY LTD
172 Crockford Street
NORTHGATE
QLD 4013
Australia

Email: sch4p4(6) Perso@cleanaway.com.au

ATTN: sch4p4(6) Person (environmental Business Partner)

Our reference: APP0046216

Decision on minor amendment application

1. Application details

The application to amend environmental authority EPPR00445713 was received by the administering authority on 18 December 2019.

The application reference number is: APP0046216

Land description: Lot 268/SP103913
Lot 227/SP103913

2. Decision

The administering authority has considered the abovementioned application and is writing to inform you that the application has been approved.

3. Anniversary day

The amended environmental authority takes effect on the effective date shown in the attached environmental authority.

The anniversary day of this environmental authority remains 04 October.

Should you have any questions about the notice, please contact Department of Environment and Science on the details provided below.

Sally Thomas
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Waste and Contaminated Land Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Date issued: 31 January 2020

Attachments

Environmental authority: EPPR00445713

Date : 16/01/2020 10:31:33 AM

From : [sch4p4(6) Personal]

To : "WEISE Tom", "GREENWOOD Angela"

Cc : [sch4p4(6) Personal]

Subject : RE: APP0046216 - Cleanaway New Chum Cell 3B1 - Query

Attachment : 7266_19_OW Decision Notice#2

(1).pdf;Figures.pdf;0192_001.pdf;image001.png;image002.png;image003.png;image006.png;

Good Morning Tom and Angela,

Regarding the New Chum amendment application please note the following:

- For clarity, Cell 3B1;
 - Excludes the leachate ponds (which are located under the future Cell 3B2);
 - Excludes the perched sediment pond (which is one of the nominated discharge locations for the site).I have provided a figure with the Lots marked (showing both of the Lots fall under the current approved Lots for the ERA on the Env Authority), as well as the figure from the current EA clearly identifying the current discharge point and the perched sediment pond.
- The sediment pond within the proposed Cell 3B1, is not a conditioned sediment pond as such. It is shown in the figure included in the EA, and is part of our stormwater management conditions, however, the pond itself is not listed, nominated or approved under the EA.

- Approval was received from Council for the construction of the sediment pond in Dec 2019. As such, I provide you with the following:
 - Council Approval Decision Notice (7266/2019/OW);
 - Site map showing the proposed (and approved) location of the new sediment ponds.

It is noted:

- The new sediment ponds will be constructed prior to the landfill cell construction being completed.
 - The topography of the site means the current area of Cell 3B1 is the natural low point, so will continue to be the stormwater collection point for the landfill for management until the diversions are put in place once the sediment pond construction is complete.
 - The new sediment ponds will be constructed so any discharge is through the current approved and nominated discharge point at the site. Where there are any proposed changes to this an amendment will be lodged and approved prior to any change in discharge point from those currently listed in the EA.
- The current sediment pond infill project is being undertaken in consideration of the requirements of the EE, which requires there is no off-site discharge that does not meet the specifications of the EE. Further the infill works have included sediment, water and infill material sampling and management.

I trust this provides all the information needed to progress this amendment application as there are no other condition of the EA which requires amendment. We note that a new Site map will need to be added to the EA.

If you could advise if the above is sufficient to progress

Warm Regards

[sch4p4(6) Personal]

Senior Environmental Business Partner

172 Crockford Street, Northgate QLD 4013 Australia

Mob: [sch4p4(6) Personal]

E: [sch4p4(6) Personal]@cleanaway.com.au | www.cleanaway.com.au



Please consider the environment before printing this email.

From: WEISE Tom <Tom.Weise@des.qld.gov.au>

Sent: Wednesday, 15 January 2020 2:08 PM

To: [sch4p4(6) Personal information]@cleanaway.com.au; [sch4p4(6) Personal information]@cleanaway.com.au>

Cc: GREENWOOD Angela <Angela.Greenwood@des.qld.gov.au>

Subject: APP0046216 - Cleanaway New Chum Cell 3B1 - Query

Hi [sch4p4(6) Personal]

Thank you for taking the time earlier today to discuss the application for Cleanaway New Chum Cell 3B1 (APP0046216). The following points have been raised by my Team Leader, Angela Greenwood (CC'd) following a review of the information provided:

- Application is to amend the current EA EPPR00445713, with the intent of:
 - Including Cell 3B into EA condition W2 as a double-lined landfill cell. The amendment is to recognise the current cell construction works which will line this area, allowing 3B1 to be recognised as a double-lined landfill cell for waste acceptance purposes.
- The application lists the construction of sub-cell 3B1 to be over the existing sediment pond;

- The sediment pond is currently conditioned and noted within *Figure 1* of the EA;
- With the information provided, there did not appear to be evidence of *how* the sediment pond would be relocated to another area on site. There is concern that in approving 3B1 and the amendment under APP0046216, that this would approve an area that is not yet suitable for use;
- It was mentioned earlier on the phone that there is currently another application going through Council regarding relocating the sediment pond;
- If it is the case that there is another application, would merging the two amendments at a later date (once approval given by Council) be a viable option;
- Without further information on the relocation of the conditioned sediment pond, the amendment application, as it stands, may not be approved.

Should you have any queries, please do not hesitate to contact myself or Angela Greenwood (07 3330 5616).

Kind Regards,

Tom



Tom Weise
 Senior Environmental Officer
 Waste & Contaminated Land Assessment
 Waste Operations | Waste & Recovery
 Department of Environment and Science

P: 07 3330 5643
 Level 7, 400 George Street, Brisbane QLD 4000
 GPO Box 2454, Brisbane QLD 4001

Employee Resource Group

Generational



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If you have received this message in error, you are asked to inform the sender as quickly as possible and delete this message and any copies of this message from your computer and/or your computer system network.

Your reference
Our reference 7266/2019/OW
Contact Officer Boris Cvjeticanin
Telephone 07 3810 7905



Ipswich City Council

45 Roderick St
PO Box 191
Ipswich QLD 4305
Australia

Tel (07) 3810 6666
Fax (07) 3810 6731
Email council@ipswich.qld.gov.au
Web www.ipswich.qld.gov.au

Wolter Consulting Group Pty Ltd

sch4p4(6) Pers@wolterconsulting.com.au

16 December 2019

Dear Sir/Madam

Re: Development Application – Approval
Application Number: 7266/2019/OW
Proposal: Construction of Sediment Basins
Property Location: 100 Chum Street, NEW CHUM QLD 4303, 20 Rhondda Road, NEW CHUM QLD 4303

I refer to the above development application which was decided on 13 December 2019.

Enclosed with this letter is:

Decision Notice, including:

- Attachment A – Assessment Manager's Conditions
- Attachment B – Approved Plans
- Attachment C – Referral Agency Responses
- Appeal Rights

If you have any queries regarding this development application, please contact Boris Cvjeticanin on the telephone number listed above.

Yours faithfully

sch4p4(6) Personal information

ENGINEERING DELIVERY EAST MANAGER

Our Reference 7266/2019/OW
Contact Officer Boris Cvjetanin
Telephone 07 3810 7905



DECISION NOTICE APPROVAL
(Given under section 63(2) of the *Planning Act 2016*)

Decision notice date: 16 December 2019

Applicant details

Applicant name: Wolter Consulting Group Pty Ltd

Applicant contact details: sch4p4(6) Pers@wolterconsulting.com.au

Application details

Application number: 7266/2019/OW

Approval sought: Operational Works

Details of proposed development: Construction of Sediment Basins

Date application received: 4 September 2019

Site details

Street address: 100 Chum Street, NEW CHUM QLD 4303, 20 Rhondda Road, NEW CHUM QLD 4303

Real property description: Lot 268 SP 103913, Lot 227 SP 103913

Decision

Date of decision: 13 December 2019

Decision Authority: ENGINEERING DELIVERY EAST MANAGER

1. Decision Details

Development	Approval Type	Decision	Currency Period
Construction of Sediment Basins	Development Permit	Approved in full subject to the conditions set out in Attachment A – Assessment Manager Conditions and Attachment C – Referral Agency Response	Two (2) years

2. Conditions of Assessment Manager (Ipswich City Council)

Refer to Attachment A for Assessment Manager conditions.

3. Referral Agencies

The referral agencies for this application are:

Referral Agency	Referral Role	Aspect of Development Requiring Referral	Address
Department of State Development, Manufacturing, Infrastructure and Planning	Concurrence	Infrastructure – designated premises Infrastructure – state transport infrastructure	SEQ West Region (Ipswich) Post: PO BOX 129, IPSWICH QLD 4305 Email: IpswichSARA@dsdm.ip.qld.gov.au Ph: 07 3432 2404

4. Approved Plans Specifications and Drawings

The approved plans, specifications and drawings for this development approval are:

- The plans and documents referred to in the table below (including the amendments that are required to be made to those plans and documents); and
- Where the amended version of the plans and documents referred to in the table below have been approved by the Assessment Manager, the amended version of those plans and documents.

The plans referenced below are included as Attachment B of this decision notice.

APPROVED PLANS				
Plan No	Description & Revision No.	Prepared By	Date	Amendments Required
00G-01	Cover Sheet	HDR	August 2019	N/A

00G-02	General Notes (Rev C)	HDR	August 2019	N/A
00V-01	Overall Existing Survey (Rev C)	HDR	August 2019	N/A
00V-02	Site Drainage Area Map Current Landform (Rev C)	HDR	August 2019	N/A
00C-01	Overall Site Plan and Key Plan Phase 1 (Rev C)	HDR	August 2019	N/A
00C-02	Phase 1 Grading and Drainage Plan 1 (Rev C)	HDR	August 2019	N/A
00C-03	Phase 1 Grading and Drainage Plan 2 (Rev C)	HDR	August 2019	N/A
00C-04	Phase 1 Grading and Drainage Plan 3 (Rev C)	HDR	August 2019	N/A
00C-05	Phase 1 Grading and Drainage Plan 4 (Rev C)	HDR	August 2019	N/A
00C-06	Basin 1 Earthworks Sections (Rev C)	HDR	August 2019	N/A
00C-07	Basin 2 Earthworks Sections (Rev C)	HDR	August 2019	N/A
00C-08	Basin 3 Earthworks Sections (Rev C)	HDR	August 2019	N/A
00C-09	Optional Regraded Haul Road Profile (Rev C)	HDR	August 2019	N/A
00C-10	Culvert Crossing (Rev C)	HDR	August 2019	N/A
00C-30	Civil Details Sheet 1 (Rev C)	HDR	August 2019	N/A
00C-31	Civil Details Sheet 2 (Rev C)	HDR	August 2019	N/A
00C-40	Category C Vegetation Removal Limits (Rev C)	HDR	August 2019	N/A
00C-41	Phase 1 Grading and Drainage Plan 3 (Rev C)	HDR	August 2019	N/A
00C-42	Phase 1 Grading and Drainage Plan 4 (Rev C)	HDR	August 2019	N/A

5. Further Development Permits

Not applicable to this decision.

6. Currency period for the approval (section 85 of *Planning Act 2016*)

The currency period for this approval is as outlined in part 1 – ‘decision details’ of this decision notice, starting the day the approval takes effect. Unless the currency period is extended by the Assessment Manager pursuant to section 87 of the *Planning Act 2016*, this development approval lapses in accordance with section 85 of the *Planning Act 2016*.

7. When approval lapses if development started but not completed—preliminary approval to which a variation approval applies

Not applicable to this decision.

8. Other requirements under section 43 of the *Planning Regulation 2017*

Not applicable to this decision.

9. Appeal Rights

Applicant’s appeal rights

You have appeal rights in relation to this decision. An appeal may be made against, as applicable:

- the refusal of part of the development application; or
- a provision of the development approval; or
- if a development permit was applied for, the decision to give a preliminary approval.

An appeal must be started within 20 business days after this notice is given to you.

An appeal may be made to the Planning and Environment Court or, for certain matters which are identified in section 1(2) of Schedule 1 of the *Planning Act 2016*, to a development tribunal.

An appeal is started by lodging a notice of appeal with the registrar of the Planning and Environment Court or a development tribunal, as applicable. The notice of appeal must be in the approved form, succinctly state the grounds of the appeal and be accompanied by the required fee.

An appellant to the Planning and Environment Court must give a copy of the notice of appeal, within 10 business days after the appeal is started, to the persons identified in section 230(3) of the *Planning Act 2016*. A person who is appealing to the Planning and Environment Court must comply with the rules of the court that apply to the appeal.

Chapter 6, Part 1 and Schedule 1 of the *Planning Act 2016* sets out further information about appeal rights.

An extract from the *Planning Act 2016* about appeal rights is attached to this decision notice.

Attachment A
Assessment Manager's Conditions
File No: 7266/2019/OW

**Location: 100 Chum Street, NEW CHUM QLD 4303, 20 Rhondda Road, NEW CHUM
 QLD 4303**

Proposal: Construction of Sediment Basins

Assessment Manager (Ipswich City Council) Conditions
Conditions applicable to this approval under the Planning Act 2016

No.	Condition	The time by which the condition must be met, implemented or complied with
1.	Basis of Approval	
	<p>This approval incorporates as a condition, the applicant's common material (as defined in Schedule 24 – Dictionary of the Planning Regulation 2017) for the application and adherence to all relevant Council Local Laws and/or the <i>Ipswich Planning Scheme</i> (including Planning Scheme Policies) unless otherwise varied by this approval or varied by a condition of this approval.</p> <p>Note: Any variation in the development from that approved herein may constitute assessable development pursuant to the Planning Act 2016.</p>	From the commencement of the construction of the development until the development has been declared compliant with the relevant approvals by the assessment manager.
2.	Minor Alterations	
	Notwithstanding the requirements detailed in this approval, any other minor alterations accepted in writing by the assessment manager will suffice.	Until the development has been declared compliant with the relevant approvals by the assessment manager.
3.	Development Plans & Supporting Material	
	The applicant must undertake the development generally in accordance with the approved plans and supporting material outlined in part 4 of this development permit.	From the commencement of the construction until the development has been declared compliant with the relevant approvals by the assessment manager.
4.	Hours of Construction	
	Unless otherwise approved in writing by the assessment manager construction works must only occur within the hours as defined in <i>Planning Scheme Policy 3 – General Works Part 5, Section 5.1.3</i> .	At all times during construction activities and until works are completed.

5.	Construction Pre-requisites	
(a)	<p>The applicant must submit to the assessment manager the following information:</p> <ul style="list-style-type: none"> (i) Name of contractor's on site and after hours telephone number; (ii) Supervising engineer's office and after hours telephone number; and (iii) Date of commencement of works and expected duration. 	Prior to commencement of any works.
(b)	The applicant must provide an ES&C bond to Council, as detailed in <i>Planning Scheme Policy 3 – General Works Part 5</i> .	Prior to commencement of any works.
(c)	<p>The applicant must install sign/s which display the business and after hours contact phone numbers of the applicant, supervising/consulting engineer and contractor as well as the relevant operational works application number in accordance with the following:</p> <ul style="list-style-type: none"> (i) Dimensions not less than 900mm high and 1200mm wide; (ii) Minimum 300mm above the ground; (iii) Within 1500mm of the property boundary of the development site; (iv) At every location where the development site fronts on to a formed road; (v) Made of weatherproof and durable materials; (vi) All details displayed with a minimum lettering height of 40mm and in bold text (approximately 147 point Arial bold font). 	Prior to commencement of any construction and until works are completed.

6.	Sediment And Erosion Management	
(a)	The applicant must prepare an RPEQ or CPESC endorsed E&SCP.	Prior to the commencement of any construction, and at all times during the construction (including vegetation clearing) and operational (maintenance) phases of the development.

(b)	The applicant must provide sediment and erosion control management (which includes deposition by both water and air) measures and facilities in accordance with a currently endorsed E&SCP.	Prior to the commencement of any construction, and at all times during the construction (including vegetation clearing) and operational (maintenance) phases of the development.
(c)	The applicant must not undertake any works, including implementation works concerning erosion and sediment control unless there is a corresponding currently endorsed E&SCP.	Until the development has been declared compliant with the relevant approvals by the assessment manager.
(d)	The applicant must provide suitable stormwater control measures (such as extended sediment ponds) that ensure the site runoff peak flows for the 1 year and 100 year ARI events do not exceed corresponding pre-development peak flows.	At all times during the construction (including vegetation clearing) and operational (maintenance) phases of the development.

7.	Amendments & Further Submissions	
	The applicant must incorporate or comply with the following amendments and clarifications:	
(a)	The applicant must amend the design drawings to ensure that the basins footprint including associated temporary and permanent batters and proposed laydown areas are not located within the areas of local and state environment significance identified in the City of Ipswich Draft Planning Scheme Biodiversity Map – OV1 unless otherwise approved by the assessment manager.	Prior to commencement of works.
(b)	At the completion of the development the applicant must provide written advice to Council from the Department of Environment and Heritage Protection that the Permit number EPPR00445713 dated 5 June 2013 has been satisfied.	At the completion of works.

8.	Works Completion Requirements	
(a)	The applicant must provide RPEQ engineering certifications for the construction of all internal civil, geotechnical and environment works associated with the development.	Prior to commencement of use.
(b)	The applicant must submit written clearance(s) to the assessment manager for all works on land under separate ownership stating that the works have been completed to the owner's satisfaction.	Prior to commencement of use.

SPECIAL ADVICES

1.	Acronyms and Terms Acronyms and terms used in this notice have the following meanings:
(a)	RPEQ - A Registered Professional Engineer of Queensland, suitably qualified and experienced in the particular area of expertise required.
(b)	QUU – Queensland Urban Utilities – trading name of the Central SEQ Distributor-Retailer Authority, providing water services to Ipswich City under the <i>South-East Queensland Water (Distribution and Retail Restructuring) Act 2009</i> .
(c)	DSMP – Dispersive Soil Management Plan which is prepared in accordance with Council Implementation Guideline # 28 and certified by a suitably qualified and experienced professional (RPEQ or Soil Scientist).
(d)	E&SCP – Erosion & Sediment Control Management Plan which is prepared in accordance with Council Planning Scheme Policy 3 and certified by RPEQ or CPESC.
(e)	PSP 3 – Council Planning Scheme Policy 3
(f)	QUDM – The <i>Queensland Urban Drainage Manual (2007 Edition)</i> , produced by the Queensland Department of Environment and Science
(g)	MUTCD - <i>The Manual of Uniform Traffic Control Devices</i> , published by DTMR
(h)	DTMR - Department of Transport and Main Roads
(i)	DES – Department of Environment and Science
(j)	DNRME – Department of Natural Resources, Mines and Energy
(k)	DSDMIP – Department of State Development, Manufacturing, Infrastructure and Planning
(l)	AEP – Annual Exceedance Probability - used to define flood frequency and severity
(m)	AHD - Australian Height Datum (m)
(n)	Internal works - works performed within private property and includes but is not limited to, earthworks, driveways and stormwater management systems.
(o)	External municipal works - works external to the development and located in dedicated public areas, for example existing road or drainage reserve, or private property not owned by the applicant.
(p)	CPESC – Certified Practitioner in Erosion and Sediment Control.

2.	Engineering Content
	Council has reviewed the operational works drawings in relation to the proposed works, to ensure that the design conforms to the engineering conditions of the development permit 4629/2013/MA/C dated 8 December 2016. A detailed check of the calculations and drawings has not been undertaken, as they must be certified by a RPEQ. Council reserves the right to require further amendments or additions at a later date should design errors or omissions become apparent in regard to the works relevant to this operational works approval.

3.	Bonds
	In relation to any bonds required in accordance with <i>Planning Scheme Policy 3</i> the relevant Bond and Licence Deeds must be completed and submitted (as hard copies) to Council at the appropriate times. The Bond, Licence Deed and conditions of security payment can be found online at http://www.ipswichplanning.com.au/development-planning/development-planning-information . Council's preference is for bonds to be submitted by way of a Bank Guarantee.

4.	Fire Ants
(a)	In accordance with the <i>Biosecurity Act 2014</i> and the <i>Biosecurity Regulation 2016</i> , the State of Queensland has implemented movement controls in areas (Fire Ant Biosecurity Zones) of Queensland where the Red Imported Fire Ant (ant species <i>Solenopsis invicta</i>) has been detected.
(b)	It is a legal obligation to report any sighting or suspicion of Fire Ants within 24 hours to Biosecurity Queensland on 13 25 23 (24hrs). It should be noted that works involving movements of all materials associated with earthworks (import and export) within a fire ant biosecurity zone is subject to movement controls and failure to comply with the regulatory provisions is an offence under the <i>Biosecurity Act 2014</i> . The Fire Ant Biosecurity Zones, as well as general information can be viewed on the Department of Agriculture and Fisheries website www.daf.qld.gov.au/fireants .
(c)	The land over which you have made a development application is within a Fire Ant Biosecurity Zone. The presence of Fire Ants on the site may affect the nature, form and extent of works permitted on the site. In view of this it will be necessary for you to contact Biosecurity Queensland to investigate the site and for you to implement any necessary matters required prior to the commencement of any works.

5.	Portable Long Service Leave
	Where the proposed works (civil and landscaping) are valued at \$150,000 or more and match the definition of Building and Construction Industry, the <i>Building and Construction Industry (Portable Long Service Leave) Act 1991</i> requires that evidence of payment of the Portable Long Service Leave (QLeave) Levy be received by Council as a condition of issuing a development permit. This applies to building works, operational works and plumbing and drainage works applications, as defined under the Planning Act 2016. If you require clarification in regard to the <i>Building and Construction Industry (Portable Long Service Leave) Act 1991</i> , you should contact QLeave on 1800 803 481 (free call) or (07) 3212 6855.

6.	QUU Network Access Permits
	<p>QUU operate a Network Access Permit scheme which ensures that the Control Centre and the Customer Contact Centre understand planned activities being conducted on the network. To carry out work on or near QUU assets, it is required that a valid Network Access Permit is obtained. To find out more information and links to obtaining a Network Access Permit, please visit https://www.urbanutilities.com.au/network-upgrades/working-on-our-network/network-access-permits</p>
7.	Hazardous Substances
	<p>Where dangerous goods are stored on site, compliance with the <i>Queensland Work Health and Safety (WHS) Act 2011</i> is required. Enquiries regarding the storage of dangerous goods can be made by contacting Workplace Health and Safety Queensland on 1300 369 915.</p>
8.	Road Corridor Permit
	<p>The applicant is advised to seek approval from the Department of Transport and Main Roads under Sections 33 and 62 of the <i>Transport Infrastructure Act 1994</i> prior to undertaking any physical works within or adjacent to the boundary of the State-controlled road. These approvals are issued under the <i>Transport Infrastructure Act 1994</i> and constitute a separate process to seeking a Development Permit issued under the Planning Act 2016.</p> <p>Please contact the Department of Transport and Main Roads Metropolitan office for further information via email: Metropolitan_Corridor_Management@tmr.qld.gov.au or telephone (07) 3066 6759.</p>

SARA reference: 1909-13189 SRA
Council reference: 7266/2019/OW
Applicant reference: 19-0356P

18 October 2019

Chief Executive Officer
Ipswich City Council
PO Box 1559
Ipswich QLD 4305
development@ipswich.qld.gov.au

Attention: sch4p4(6) Personal infor

Dear sch4p4(6) Person

SARA response—20 Rhondda Road and 100 Chum Street, New Chum

(Referral agency response given under section 56 of the *Planning Act 2016*)

The development application described below was confirmed as properly referred by the Department of State Development, Manufacturing, Infrastructure and Planning on 27 September 2019.

Response

Outcome:	Referral agency response - No requirements Under section 56(1)(a) of the <i>Planning Act 2016</i> , the department advises it has no requirements relating to the application.
Date of response:	18 October 2019
Advice:	Advice to the applicant is in Attachment 1 .
Reasons:	The reasons for the referral agency response are in Attachment 2 .

Development details

Description:	Development permit	Operational work for construction of three new sediment ponds
SARA role:	Referral agency.	
SARA trigger:	Schedule 10, part 9, division 1, table 1, item 1 (Planning Regulation 2017)	
	Development application for operational works on premises the subject of an infrastructure designation	

Schedule 10, part 9, division 4, subdivision 1, table 1, item 1
(Planning Regulation 2017)

Development application for operational works for filling or
excavation greater than 10,000 tonnes

SARA reference: 1909-13189 SRA
Assessment Manager: Ipswich City Council
Street address: 20 Rhondda Road and 100 Chum Street, New Chum
Real property description: Lots 227 and 268 on SP103913
Applicant name: Wolter Consulting Group Pty Ltd
Applicant contact details: PO Box 436, New Farm QLD 4005

Representations

An applicant may make representations to a concurrence agency, at any time before the application is decided, about changing a matter in the referral agency response (section 30 of the Development Assessment Rules). Copies of the relevant provisions are in **Attachment 3**.

A copy of this response has been sent to the applicant for their information.

For further information please contact Kieran Hanna, Principal Planning Officer, on 3432 2404 or via email IpswichSARA@dsdmip.qld.gov.au who will be pleased to assist.

Yours sincerely

[sch4p4(6) Personal informat

Andrew Foley
Manager

enc Attachment 1 - Advice to the applicant
Attachment 2 - Reasons for referral agency response
Attachment 3 - Representations provisions

cc Wolter Consulting Group Pty Ltd, [sch4p4]@wolterconsulting.com.au

Attachment 1—Advice to the applicant

General advice	
1.	Terms and phrases used in this document are defined in the <i>Planning Act 2016</i> , its regulation or the State Development Assessment Provisions v2.5 (SDAP). If a word remains undefined it has its ordinary meaning.

Attachment 2—Reasons for referral agency response

(Given under section 56(7) of the *Planning Act 2016*)

The reasons for the department's decision are:

- The operational work does not impact upon the infrastructure designation corridor.
- The operational work complies with State code 6: Protection of state transport networks of the State Development Assessment Provisions.

Material used in the assessment of the application:

- The development application material and submitted plans.
- *Planning Act 2016*.
- Planning Regulation 2017.
- The State Development Assessment Provisions (version 2.5), as published by the department.
- The Development Assessment Rules.

Published on DES Disclosure Log
RTI Act 2009

Attachment 3—Change representation provisions

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Published on DES Disclosure Log
RTI Act 2009

Development Assessment Rules—Representations about a referral agency response

The following provisions are those set out in sections 28 and 30 of the Development Assessment Rules¹ regarding **representations about a referral agency response**

Part 6: Changes to the application and referral agency responses

28 Concurrence agency changes its response or gives a late response

- 28.1. Despite part 2, a concurrence agency may, after its referral agency assessment period and any further period agreed ends, change its referral agency response or give a late referral agency response before the application is decided, subject to section 28.2 and 28.3.
- 28.2. A concurrence agency may change its referral agency response at any time before the application is decided if—
- (a) the change is in response to a change which the assessment manager is satisfied is a change under section 26.1; or
 - (b) the Minister has given the concurrence agency a direction under section 99 of the Act; or
 - (c) the applicant has given written agreement to the change to the referral agency response.²
- 28.3. A concurrence agency may give a late referral agency response before the application is decided, if the applicant has given written agreement to the late referral agency response.
- 28.4. If a concurrence agency proposes to change its referral agency response under section 28.2(a), the concurrence agency must—
- (a) give notice of its intention to change its referral agency response to the assessment manager and a copy to the applicant within 5 days of receiving notice of the change under section 25.1; and
 - (b) the concurrence agency has 10 days from the day of giving notice under paragraph (a), or a further period agreed between the applicant and the concurrence agency, to give an amended referral agency response to the assessment manager and a copy to the applicant.

¹ Pursuant to Section 68 of the *Planning Act 2016*

² In the instance an applicant has made representations to the concurrence agency under section 30, and the concurrence agency agrees to make the change included in the representations, section 28.2(c) is taken to have been satisfied.

Part 7: Miscellaneous

30 Representations about a referral agency response

- 30.1. An applicant may make representations to a concurrence agency at any time before the application is decided, about changing a matter in the referral agency response.³

³ An applicant may elect, under section 32, to stop the assessment manager's decision period in which to take this action. If a concurrence agency wishes to amend their response in relation to representations made under this section, they must do so in accordance with section 28.

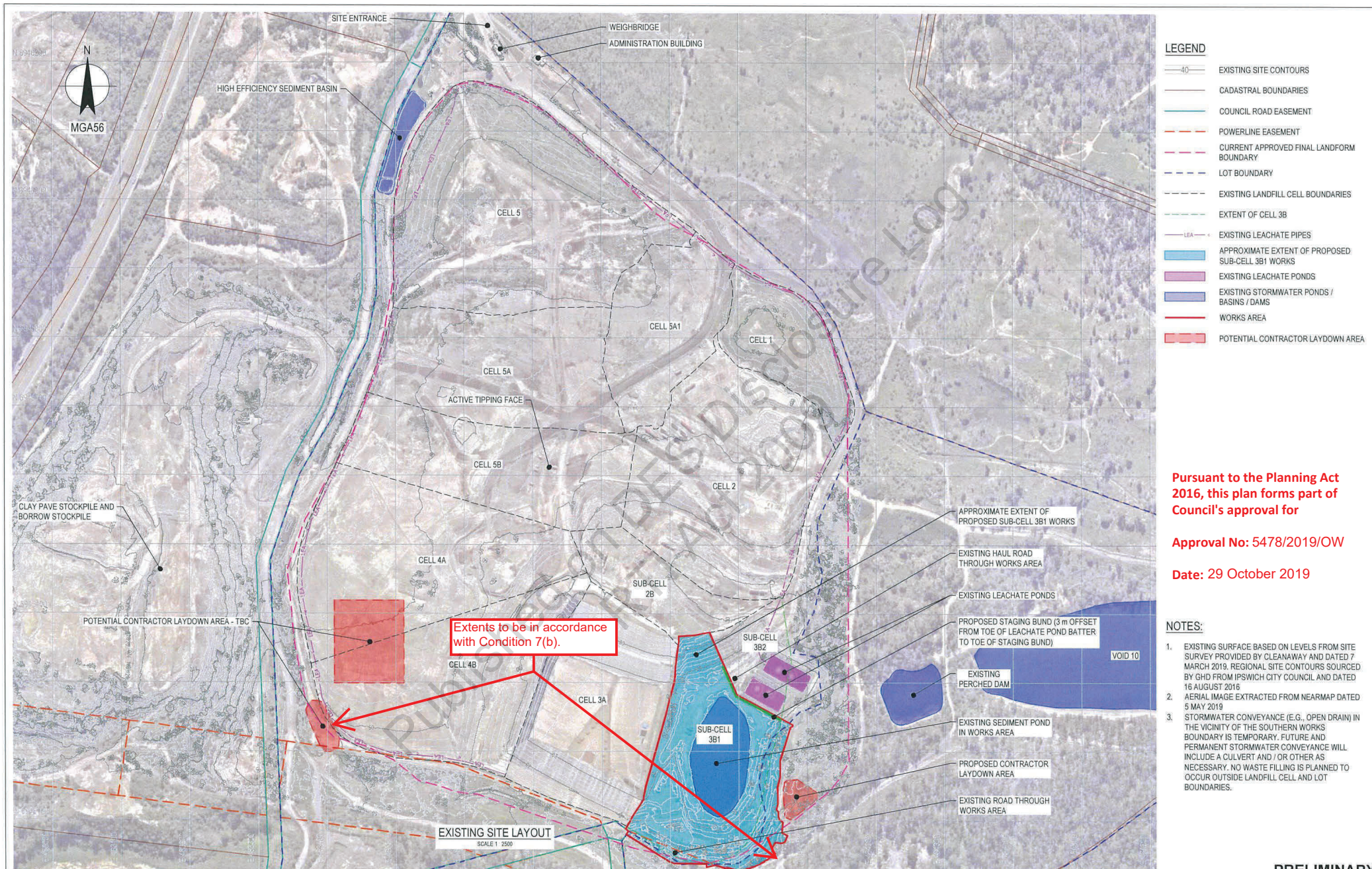
New Chum Facility – Lot boundaries (both Lots registered on the Environmental Authority for the approved ERAs).



Leachate Ponds (outside Cell 3B1)

Approved Discharge Point
(discharges to Void 10,
then Six mile Creek)

Perched Sediment pond



- LEGEND**
- 40— EXISTING SITE CONTOURS
 - CADASTRAL BOUNDARIES
 - COUNCIL ROAD EASEMENT
 - POWERLINE EASEMENT
 - CURRENT APPROVED FINAL LANDFORM BOUNDARY
 - LOT BOUNDARY
 - EXISTING LANDFILL CELL BOUNDARIES
 - EXTENT OF CELL 3B
 - LEA EXISTING LEACHATE PIPES
 - APPROXIMATE EXTENT OF PROPOSED SUB-CELL 3B1 WORKS
 - EXISTING LEACHATE PONDS
 - EXISTING STORMWATER PONDS / BASINS / DAMS
 - WORKS AREA
 - POTENTIAL CONTRACTOR LAYDOWN AREA

Pursuant to the Planning Act 2016, this plan forms part of Council's approval for

Approval No: 5478/2019/OW

Date: 29 October 2019

NOTES:

1. EXISTING SURFACE BASED ON LEVELS FROM SITE SURVEY PROVIDED BY CLEANAWAY AND DATED 7 MARCH 2019. REGIONAL SITE CONTOURS SOURCED BY GHD FROM IPSWICH CITY COUNCIL AND DATED 16 AUGUST 2016
2. AERIAL IMAGE EXTRACTED FROM NEARMAP DATED 5 MAY 2019
3. STORMWATER CONVEYANCE (E.G. OPEN DRAIN) IN THE VICINITY OF THE SOUTHERN WORKS BOUNDARY IS TEMPORARY. FUTURE AND PERMANENT STORMWATER CONVEYANCE WILL INCLUDE A CULVERT AND / OR OTHER AS NECESSARY. NO WASTE FILLING IS PLANNED TO OCCUR OUTSIDE LANDFILL CELL AND LOT BOUNDARIES.

PRELIMINARY

E	REISSUED FOR APPROVAL SUBMISSION	LP	AH				
D	REISSUED FOR APPROVAL SUBMISSION	LP	AH				
C	REISSUED FOR APPROVAL SUBMISSION	LP	AH				
B	REISSUED FOR APPROVAL SUBMISSION	LP	AH				
A	INITIAL ISSUE	LP	AH	AR			
No	Revision	Note	Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



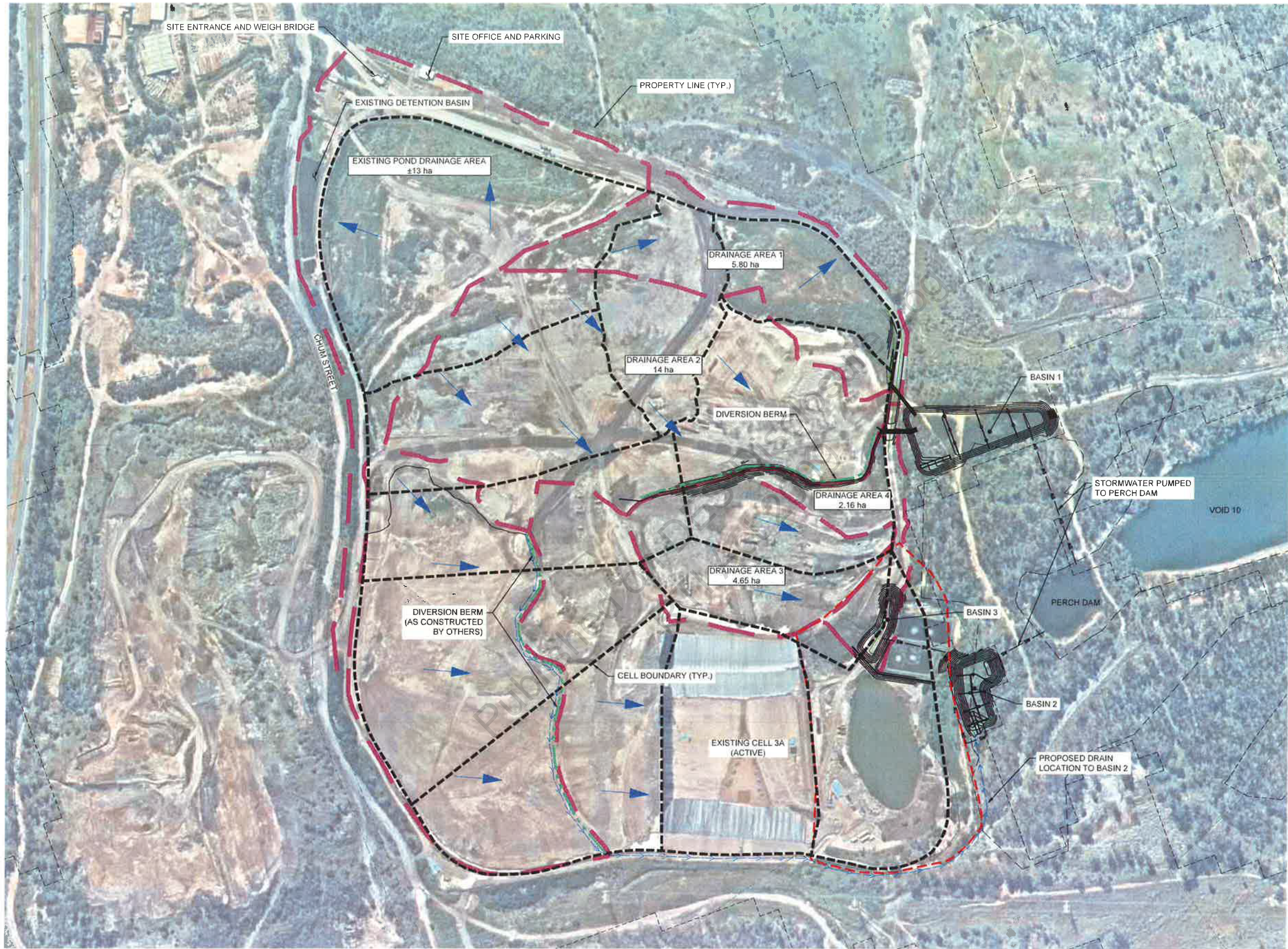
Level 15, 133 Castlereagh Street, Sydney NSW 2000 Australia
T 61 2 9239 7100 F 61 2 9239 7199
E sydney@ghd.com W www.ghd.com

DO NOT SCALE

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Drawn	Designer
Drafting Check	Design
Approved (RPEG)	sch4p4(6) Perso
Date	12/2/19
Scale	1:2500

Client	CLEANAWAY SOLID WASTE PTY LTD
Project	NEW CHUM WASTE MANAGEMENT FACILITY
Title	SUB-CELL 3B1 DETAILED DESIGN
Original Size	EXISTING SITE LAYOUT
Drawing No:	21-28202-C002
Rev:	E



- NOTES
- 1. SEE SHEET 00V-01 IN CONSTRUCTION PLAN SET FOR SURVEY NOTES.
 - 2. DRAINAGE AREAS COMPUTED BASED ON SURVEYED OVERLAND FLOW.
 - 3. BASIN 1 IS DESIGNED TO CAPTURE AND TREAT DRAINAGE AREA 1 AND 2.
 - 4. BASIN 3 IS DESIGNED TO CAPTURE DRAINAGE AREA 3 AND 4 UNTIL LANDFORM ALLOWS IT TO DRAIN TO BASIN 2 FOR STORAGE AND TREATMENT.



ISSUE	DATE	DESCRIPTION
C	09-08-2019	100% FINAL
B	05-07-2019	100% SUBMITTAL
A	27-06-2019	60% SUBMITTAL

PROJECT MANAGER	sch4p4(
DESIGN ENGINEER	
CIVIL Q.C.	
HYDROLOGY Q.C.	
DRAWING Q.C.	
DRAWN BY	sch4n
PROJECT NUMBER	10171135



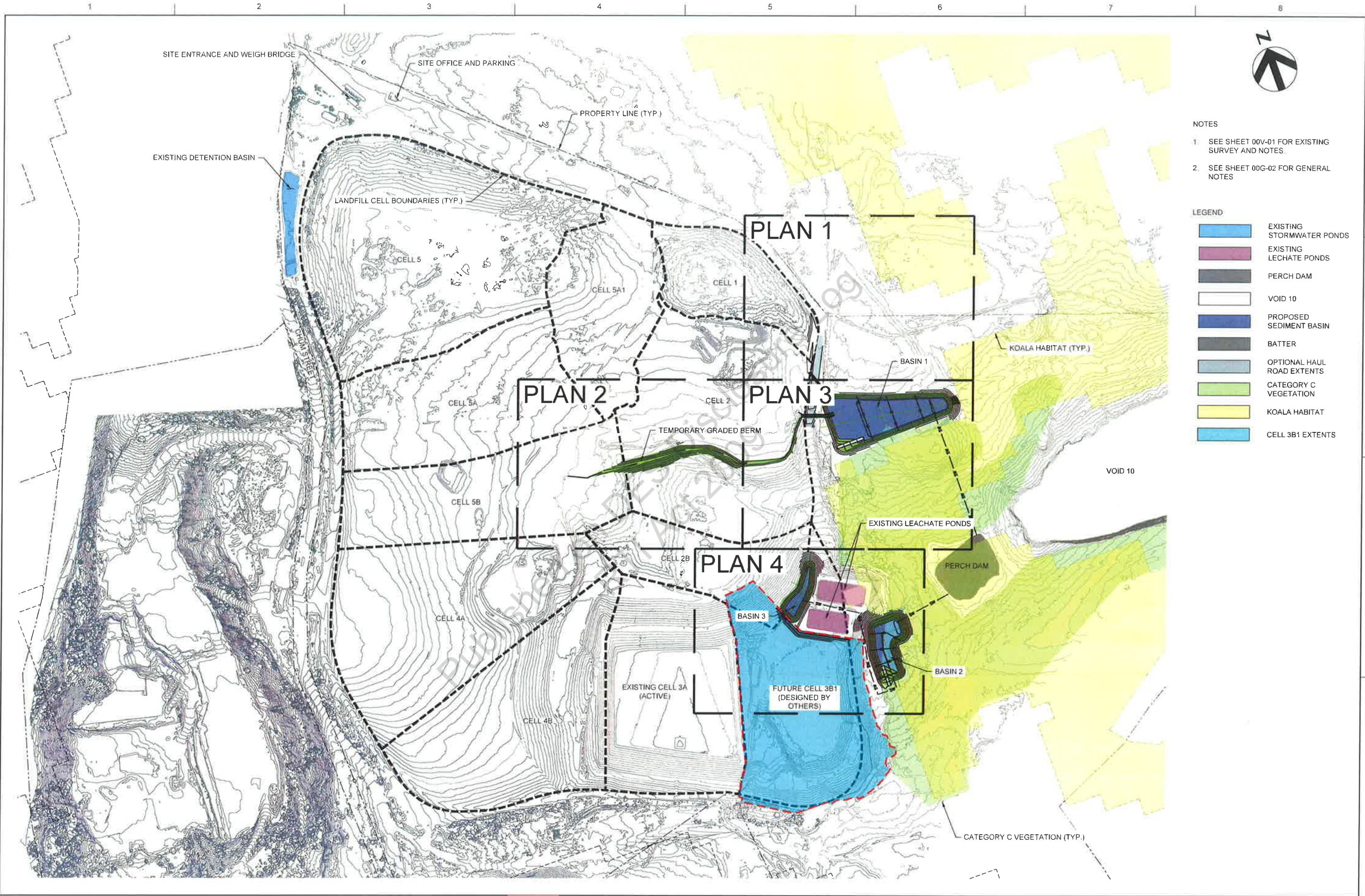
APPROVAL	sch4p4(6) Pel	09-08-19
DATE		

CLEANAWAY
NEW CHUM LANDFILL
SEDIMENT BASIN DESIGN

SITE DRAINAGE AREA MAP
(CURRENT LANDFORM)

FILENAME 00V-02.dwg
SCALE 1:2500

SHEET
00V-02



ISSUE	DATE	DESCRIPTION
C	09-08-2019	100% FINAL
B	05-07-2019	100% SUBMITTAL
A	27-06-2019	60% SUBMITTAL

PROJECT MANAGER	sch4p4(6)
DESIGN ENGINEER	
CIVIL D.C.	
HYDROLOGY Q.C.	
DRAWING Q.C.	
DRAWN BY	
PROJECT NUMBER	10171135



APPROVAL	sch4p4(6) P1
RPEQ No.	22408
DATE	09-08-19



NEW CHUM LANDFILL
SEDIMENT BASIN DESIGN

OVERALL SITE PLAN AND KEY PLAN PHASE 1

FILENAME 00C-01.dwg
SCALE 1:2500 @ A1

SHEET
00C-01

Date : 16/01/2020 12:10:32 PM

From : [sch4p4(6) Personal]

To : "WEISE Tom" , "GREENWOOD Angela"

Cc : [sch4p4(6) Personal]

Subject : RE: APP0046216 - Cleanaway New Chum Cell 3B1 - Query

Attachment : image004.png;image005.png;image006.png;image007.png;image002.png;

Hi Angela,

Further to our discussion regarding the sediment pond relating to the Cell 3B1 application, the EA definitions are as follows;

- **Landfill unit**, which refers to the discrete areas of the site that is used for the acceptance of waste ◆ referencing Figures 1 and 2. This is demarked in both figures 1 and 2. This is consistent with the final approved landform boundaries (which refers to the area that is being used for waste disposal purposes).
Noting that the new sediment pond will not be receiving solid waste, and therefore is not covered under the ◆ landfill unit ◆ definition. Consistent with the perched sediment pond, and nominated discharge point within the current EA.
- **Landfill facility** ◆ which means the land and structures at the licenced place. This encompasses the entire Lot 227 and 268 , which is approved under the ERA ◆s and EA.
However, we note that works within these Lots are only progressed when the Council has provided approval that the construction and development meets their requirements under the planning act.

To support the approval by Council of the location ◆ please find the following link to download the approved drawings (approved through Council). https://cleanaway-my.sharepoint.com/:f/r/personal/danielle_pringle_cleanaway_com_au/Documents/Cell%203B1%20-%20sed%20pond%20approval?csf=1&e=EykHS1

Thanks

[sch4p4(6) Per]

Senior Environmental Business Partner

172 Crockford Street, Northgate QLD 4013 Australia

Mob: [sch4p4(6) Per]

E: [sch4p4(6) Per] [cleanaway.com.au](mailto:[sch4p4(6) Per]@cleanaway.com.au) | www.cleanaway.com.au



Please consider the environment before printing this email.

From: [sch4p4(6) Perso]

Sent: Thursday, 16 January 2020 10:32 AM

To: WEISE Tom <Tom.Weise@des.qld.gov.au>; GREENWOOD Angela <Angela.Greenwood@des.qld.gov.au>

Cc: [sch4p4(6) Personal]@cleanaway.com.au

Subject: RE: APP0046216 - Cleanaway New Chum Cell 3B1 - Query

Good Morning Tom and Angela,

Regarding the New Chum amendment application please note the following:

- For clarity, Cell 3B1;
 - Excludes the leachate ponds (which are located under the future Cell 3B2);
 - Excludes the perched sediment pond (which is one of the nominated discharge locations for the site).

I have provided a figure with the Lots marked (showing both of the Lots fall under the current approved Lots for the ERA ◆s on the Env Authority), as well as the figure from the current EA clearly identifying the current discharge point and the perched sediment pond.

- The sediment pond within the proposed Cell 3B1, is not a conditioned sediment pond as such. It is shown in the figure included in the EA, and is part of our stormwater management conditions, however, the pond itself is not listed, nominated or approved under the EA.
- Approval was received from Council for the construction of the sediment pond in Dec 2019. As such, I provide you with the following:
 - Council Approval Decision Notice (7266/2019/OW);
 - Site map showing the proposed (and approved) location of the new sediment ponds.

It is noted:

- The new sediment ponds will be constructed prior to the landfill cell construction being completed.
- The topography of the site means the current area of Cell 3B1 is the natural low point, so will continue to be the stormwater collection point for the landfill for management until the diversions are put in place once the sediment pond construction is complete.
- The new sediment ponds will be constructed so any discharge is through the current approved and nominated discharge point at the site. Where there are any proposed changes to this ◆ an amendment will be lodged and approved prior to any change in discharge point from those currently listed in the EA.
- The current sediment pond infill project is being undertaken in consideration of the requirements of the EE, which requires there is no off-site discharge that does not meet the specifications of the EE. Further the infill works have included sediment, water and infill material sampling and management.

I trust this provides all the information needed to progress this amendment application as there are no other condition of the EA which requires amendment. We note that a new Site map will need to be added to the EA.

If you could advise if the above is sufficient to progress

Warm Regards

[sch4p4(6) Pe]

Senior Environmental Business Partner

172 Crockford Street, Northgate QLD 4013 Australia

Mob: [sch4p4(6) Pe]

E: [sch4p4(6) Per]@cleanaway.com.au | www.cleanaway.com.au

Please consider the environment before printing this email.

From: WEISE Tom <Tom.Weise@des.qld.gov.au>

Sent: Wednesday, 15 January 2020 2:08 PM

To: [sch4p4(6) Personal information]@cleanaway.com.au> [sch4p4(6) Personal information]@cleanaway.com.au>

Cc: GREENWOOD Angela <Angela.Greenwood@des.qld.gov.au>

Subject: APP0046216 - Cleanaway New Chum Cell 3B1 - Query

Hi [sch4p4(6) Personal information]

Thank you for taking the time earlier today to discuss the application for Cleanaway New Chum Cell 3B1 (APP0046216). The following points have been raised by my Team Leader, Angela Greenwood (CC'd) following a review of the information provided:

- Application is to amend the current EA EPPR00445713, with the intent of:
 - ◊ Including Cell 3B into EA condition W2 as a double-lined landfill cell. The amendment is to recognise the current cell construction works which will line this area, allowing 3B1 to be recognised as a double-lined landfill cell for waste acceptance purposes. ◊
- The application lists the construction of sub-cell 3B1 to be over the existing sediment pond;
- The sediment pond is currently conditioned and noted within Figure 1 of the EA;
- With the information provided, there did not appear to be evidence of how the sediment pond would be relocated to another area on site. There is concern that in approving 3B1 and the amendment under APP0046216, that this would approve an area that is not yet suitable for use;
- It was mentioned earlier on the phone that there is currently another application going through Council regarding relocating the sediment pond;
- If it is the case that there is another application, would merging the two amendments at a later date (once approval given by Council) be a viable option;
- Without further information on the relocation of the conditioned sediment pond, the amendment application, as it stands, may not be approved.

Should you have any queries, please do not hesitate to contact myself or Angela Greenwood (07 3330 5616).

Kind Regards,

Tom



Tom Weise
Senior Environmental Officer
Waste & Contaminated Land Assessment
Waste Operations | Waste & Recovery
Department of Environment and Science

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18 December 2019

Permit and Licence Management
Department of Environment and Science
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Solid Waste – Post Collections
Cleanaway Solid Waste Pty Ltd
ABN: 55 120 175 635

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To Whom It May Concern,

**Application for an Amendment for Cleanaway's New Chum Facility Environmental Authority,
EPPR00445713**

Please find this letter containing the details and supporting information for the amendment application for the Cleanaway Solid Waste Pty Ltd (CSW) New Chum Environmental Authority EPPR00445713 (EA).

The intent of this amendment is to include Cell 3B into EA condition W2 as a double lined landfill cell. The proposed Cell 3B1 is located in the south eastern portion of the approved existing landfill footprint. This amendment is to recognise the current cell construction works which will line this area, allowing 3B1 to be recognised as a double lined landfill cell for waste acceptance purposes.

The location of Cell 3B1 in relation to the existing landfill footprint is shown on the Cell Design figures, included as Attachment 1. This work is being undertaken in accordance with the Ipswich City Council approved Operational Works Approval 5478/2019/OW dated 30 October 2019 (see Attachment 2).

Further details to support this amendment are provided in the following sections.

1. Project Details

Please refer to Attachment 1 for Drawing # 21-28202-C002 for the location of the proposed Cell 3B1. Specific management details associated with this amendment are as follows:

Design

Cell 3B1 within the existing landfill footprint is currently undergoing construction works comprising installation of a liner system. The new lined area will be hereby known as Cell 3B1, comprising of the south eastern portion of Cell 3 consistent with the map in the site EA.

Cell 3B1 has been designed with an independent leachate sump and riser to facilitate transport of leachate into the existing leachate overland conveyance system into the leachate ponds. This in turn will be connected to the leachate telemetry system.

Prior to works commencing on the construction and lining of Cell 3B1, approval was sought and received from Ipswich City Council for the Operational Works Approval.

Liner

The liner is an engineered composite lining system to be applied over the footprint of Cell 3B1 subgrade incorporating the following aspects:

- Placement of a geogrid layer to the northern batter area;
- Placement and compaction of an engineered fill layer suitable for liner deployment across the full Cell 3B1 footprint;
- Application of a Geosynthetic Clay Liner across the entire cell 3B1 footprint;
- Application of a 2.0mm single sided textured Geomembrane HDPE liner to batters and 2.0mm smooth Geomembrane HDPE liner to the floor;
- Application of a Cushion Geotextile across the entire HDPE liner; and
- Construction of a leachate drainage layer incorporating drainage aggregate. Drainage pipe, a separation geotextile layer and a leachate riser from the sump.

The above lining system meets the definition of the double lined cell as per the current EA for the site.

Liner construction details are also provided in Attachment 3, Drawings 21-28202-C010 and 21-28202-C011.

Waste Management

Once completed, Cell 3B1 will be considered double lined for the purposes of waste acceptance and will be managed in accordance with EA condition W1 and W2. The site has a Waste Acceptance Procedure (NCSBMP001) which defines the waste acceptance practices on site that is included in the Site Based Management plan (SBMP).

The SBMP is scheduled for review in 2020 and following amendment of the site EA to include Cell 3B1, management of the site including waste acceptance practices will be updated to reflect current site operations and configuration.

Leachate

The design of Cell 3B1 includes a new leachate sump and pipework to collect and manage leachate in accordance with condition G10. Cell 3B1 leachate level monitoring will be automated through the pre-existing telemetry system which is able to record and store leachate levels within the sump as required under condition G10. Leachate at the landfill is managed in accordance with G11, with leachate currently being recirculated through the landfill unit.

Landfill gas

Landfill gas will be managed under the current whole of life model for the landfill, the landfill gas masterplan (currently in final stages of development) and in line with the current landfill gas management plan for the site. This includes:

- progressively installing landfill gas extraction systems in landfill cells following reaching final height and capping of the cells (which will include Cell 3B1); and
- progressively installing perimeter landfill gas monitoring bores (phase 1 was completed in 2018, and phase 2 is scheduled for 2020).

The landfill gas management plan is included in the SBMP.

Monitoring

The monitoring program (required under EA condition H14) for the site was designed to encompass the entire landfill footprint. Cell 3B1 has been considered during the design of the monitoring program and therefore is included under the current monitoring program.

2. Environmental Values

To support this amendment application, a desktop assessment has been completed on the associated environmental values. This has been summarised as follows:

- Land use – Cell 3B1 falls under the current approved landfill footprint boundary, and the existing Development Approval therefore there will be no resulting change. The Operational Works Approval (5478/2019/OW) for the lining construction works has been approved by Ipswich City Council;
- Air – the construction of Cell 3B1 is not considered to pose a risk to air quality at the site. The two-main air consideration for landfill sites include landfill gas management and dust mitigation, these are detailed as follows:
 - Gas – the landfill gas generated in Cell 3B1 will be managed in accordance with the current landfill gas management plan for the site. This includes the progressive installation of landfill gas extraction systems following the closure and capping of the landfill cells, and perimeter landfill gas monitoring bores. Given the construction of the liner system and the future gas extraction process, there will be no impact from the proposed Cell 3B1.
 - Dust – it should be noted that while the operation of an additional landfill area has the potential to create dust, this will be managed in accordance with current dust mitigation strategies at the site (detailed in the Site Based Management Plan) including the use of water carts, compaction and covering as soon as practicable and the use of in-situ sprinklers. Further, this is not a new area, but an area previously utilised for storage of concrete within the landfill footprint and was previously subject to dust mitigation measures.
- Noise – there will be no change to the acoustics at the site, there is no additional plant being procured, or mechanical equipment being built, used or installed as part of the proposed Cell 3B1;
- Water and Wetlands – Cell 3B1 has been designed to include a leachate collection system. The liner is being tied into the existing liner systems of the surrounding landfill cells to create a single liner system. A stormwater management plan is in place at the site, and regular reviews are undertaken to ensure continuous improvement of stormwater practices. Based on the above, it is considered there will be no additional impact to waters or wetlands resulting from the lining of Cell 3B1 or including this into the EA as a double lined landfill cell;
- Land and Groundwater – Cell 3B1 is currently being lined to meet the engineered specifications as detailed above. On completion of the liner construction, with associated sign off and QA/QC documentation the cell is considered to be an impervious cell, protecting the underlying soil and groundwater from impact. Based on the above, it is considered there will be no additional impact to land or groundwater resulting from the lining of Cell 3B1 or including this into the EA as a double lined landfill cell;
- Waste - There will be no increase in the generation of waste from the facility through the proposed amendment.

The waste accepted into the facility will be managed in accordance with the current EA, and the site Waste Acceptance Procedure included in the SBMP. No additional waste streams are

proposed to be accepted onto the site, and there is considered to be no increase in risk arising from the proposed amendment.

Further, the proposed amendment does not increase the footprint or area of disturbance of the ERA activities, and the activities will continue to be managed under the existing management procedures under the certified corporate Environmental Management System (EMS), which is certified through BSI to ISO 14001.

Rehabilitation plan following cessation of activity

As noted above, Cell 3B1 is located within the active landfill footprint. The rehabilitation plan and financial assurance for the site was designed and accounted for to cover the entire landfill footprint. As such there is no change to the rehabilitation or financial assurance required for the proposed amendment.

3. Amendment Type

This amendment is considered to constitute a minor amendment. The justification for the “minor” amendment is detailed in Attachment 4.

4. Conclusion

In summary, the proposed amendment will not result in an increase in scale or intensity of the activities, an increase in emissions, nor will it result in a change to the footprint of the current disturbance. There are no changes to financial assurance, as no activities are being amended which trigger a financial assurance review.

The following documentation is attached in support of this application:

- Attachment 1 – Location of Cell 3B1
- Attachment 2 – Decision Notice – Ipswich City Council
- Attachment 3 – Cell 3B1 Liner Construction Drawings
- Attachment 4 – Justification for a Minor Amendment threshold.

If you require any additional information, or clarification on this application, please do not hesitate to contact me.

Yours sincerely

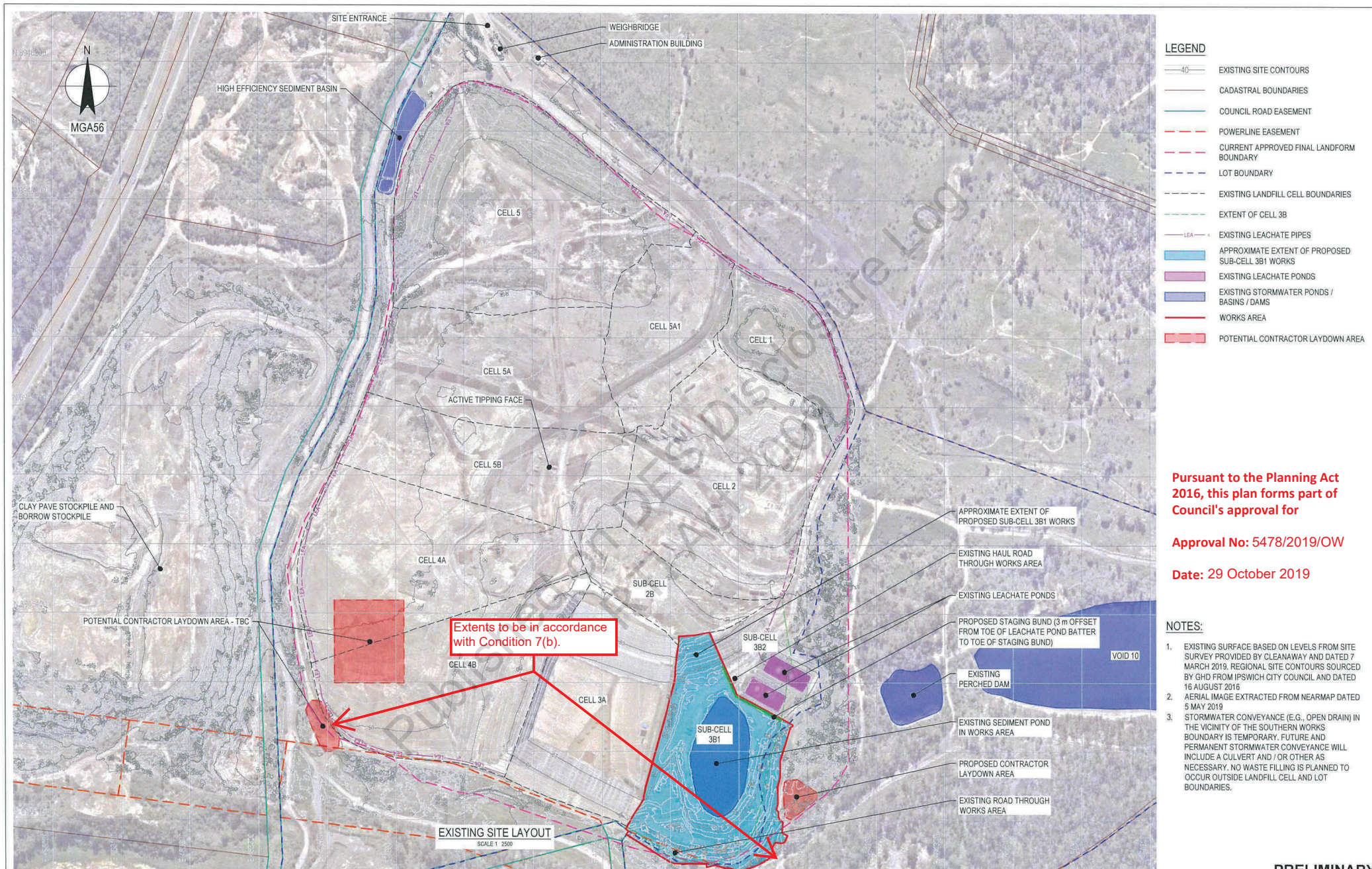
sch4p4(6) Personal inf



Senior Environmental Business Partner – QLD

Attachment 1 – Location of Cell 3B1

Published on DES Disclosure Log
RTI Act 2009



Pursuant to the Planning Act 2016, this plan forms part of Council's approval for

Approval No: 5478/2019/OW

Date: 29 October 2019

PRELIMINARY

E	REISSUED FOR APPROVAL SUBMISSION	LP	AH			
D	REISSUED FOR APPROVAL SUBMISSION	LP	AH			
C	REISSUED FOR APPROVAL SUBMISSION	LP	AH			
B	REISSUED FOR APPROVAL SUBMISSION	LP	AH			
A	INITIAL ISSUE	LP	AH	AR		
No	Revision	Note * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



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Drawn	Designer
Drafting Check	Design Check
Approved (RPEG)	Schmidt (6) Pers
Date	12/2/19
Scale	1:2500

Client	CLEANAWAY SOLID WASTE PTY LTD
Project	NEW CHUM WASTE MANAGEMENT FACILITY
Title	SUB-CELL 3B1 DETAILED DESIGN
	EXISTING SITE LAYOUT
Original Size	A1
Drawing No:	21-28202-C002
Rev:	E

Attachment 2 – Decision Notice – Ipswich City Council

Published on DES Disclosure Log
RTI Act 2009

Your reference
Our reference 5478/2019/OW
Contact Officer Robert Colton
Telephone (07) 3810 6020



Ipswich City Council

45 Roderick St
PO Box 191
Ipswich QLD 4305
Australia

Tel (07) 3810 6666
Fax (07) 3810 6731
Email council@ipswich.qld.gov.au
Web www.ipswich.qld.gov.au

Cleanaway Solid Waste Pty Ltd
sch4p4(6) @wolterconsulting.com.au

30 October 2019

Dear Sir/Madam

Re: Development Application – Approval
Application Number: 5478/2019/OW
Proposal: Construction of a new cell within an existing waste facility
Property Location: 20 Rhondda Road, NEW CHUM QLD 4303, 100 Chum Street, NEW CHUM QLD 4303

I refer to the above development application which was decided on 29 October 2019.

Enclosed with this letter is:

Decision Notice, including:

- Attachment A – Assessment Manager's Conditions
- Attachment B – Approved Plans
- Attachment C – Referral Agency Responses
- Appeal Rights

If you have any queries regarding this development application, please contact Robert Colton on the telephone number listed above.

Yours faithfully

sch4p4(6) Personal information

Mitchell Weatherhead
PRINCIPAL DEVELOPMENT ENGINEER

Our Reference 5478/2019/OW
Contact Officer Robert Colton
Telephone (07) 3810 6020



DECISION NOTICE APPROVAL

(Given under section 63(2) of the *Planning Act 2016*)

Decision notice date: 30 October 2019

Applicant details

Applicant name: Cleanaway Solid Waste Pty Ltd

Applicant contact details: sch4p4(6)@wolterconsulting.com.au

Application details

Application number: 5478/2019/OW

Approval sought: Operational Works

Details of proposed development: Construction of a new cell within an existing waste facility

Date application received: 4 July 2019

Site details

Street address: 20 Rhondda Road, NEW CHUM QLD 4303, 100 Chum Street, NEW CHUM QLD 4303

Real property description: Lot 227 SP 103913, Lot 268 SP 103913

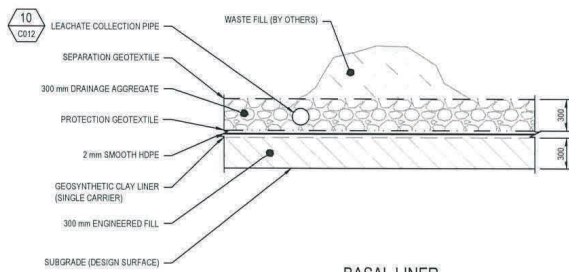
Decision

Date of decision: 29 October 2019

Decision Authority: Principal Development Engineer

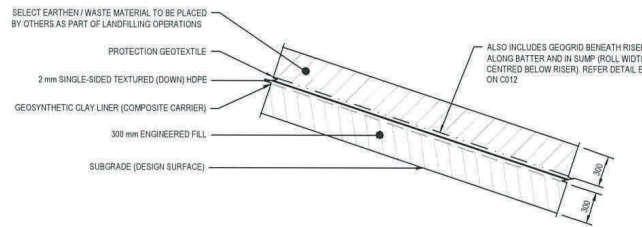
Attachment 3 – Cell 3B1 Liner Construction Drawings

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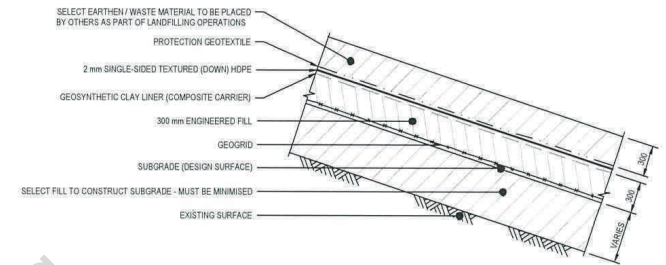
BASAL LINER

1 1 1 1 1 DETAIL
C013 C012 C004 C003 SCALE 1: 25



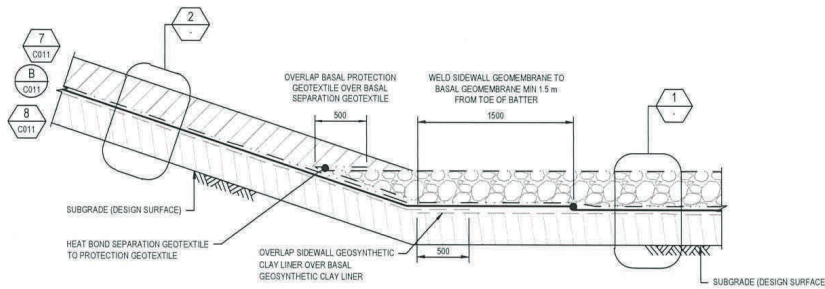
**SIDEWALL LINER
(EAST / SOUTH / WEST BATTERS)**

2 2 2 2 2 DETAIL
C013 C012 C011 C004 C003 SCALE 1: 25



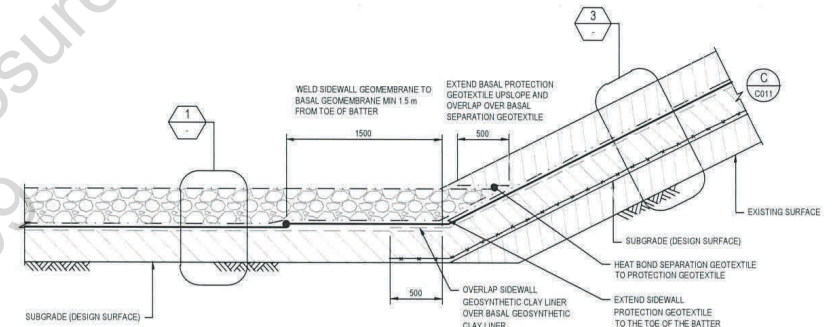
**SIDEWALL LINER
(NORTH BATTER)**

3 3 DETAIL
C011 C003 SCALE 1: 25



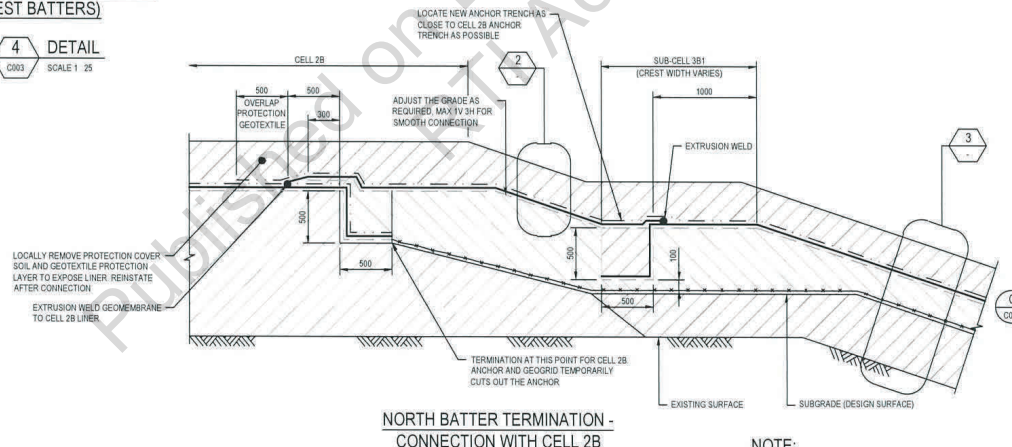
**LINER TRANSITION - SIDEWALL TO BASAL LINER
(EAST / SOUTH / WEST BATTERS)**

E 4 4 4 DETAIL
C012 C011 C004 C003 SCALE 1: 25



**LINER TRANSITION - SIDEWALL TO BASAL LINER
(NORTH BATTER)**

6 6 DETAIL
C011 C003 SCALE 1: 25



**NORTH BATTER TERMINATION -
CONNECTION WITH CELL 2B**

5 5 DETAIL
C011 C003 SCALE 1: 25

NOTE:

- THIS DETAIL WAS A CHANGE FOR CELL 3A IMPLEMENTED TO AVOID THE NEED FOR CUSTOM ROLLS. MINIMISE EARTHWORKS AVOID BRIDGING. THIS MAY NOT BE NECESSARY FOR CELL 3B

Pursuant to the Planning Act 2016, this plan forms part of Council's approval for

Approval No: 5478/2019/OW

Date: 29 October 2019

PRELIMINARY

D	REISSUED FOR APPROVAL SUBMISSION	LP	AH		
C	REISSUED FOR APPROVAL SUBMISSION	LP	AH		
B	REISSUED FOR APPROVAL SUBMISSION	LP	AH		
A	INITIAL ISSUE	LP	AH	AR	

Plot Date: 24 June 2019 - 11:05 AM Plotted by: [Signature] Cad File No: [Signature] \ghd\shared\PH\Cells\Projects\21-28202\CADD\Drawings\21-28202-C010_C013.dwg

0 250 500 750 1000 1250mm
SCALE 1:25 AT ORIGINAL SIZE



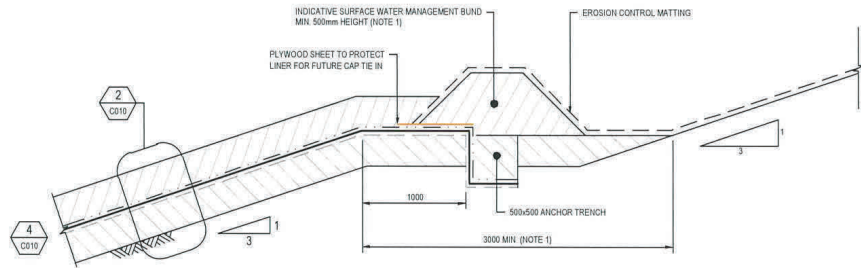
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Drafting Check	[Signature]	Design	[Signature]
Approved (RPEQ)	[Signature]	Date	17/11/19
Scale	1:25	This Drawing must not be used for Construction unless signed as Approved	

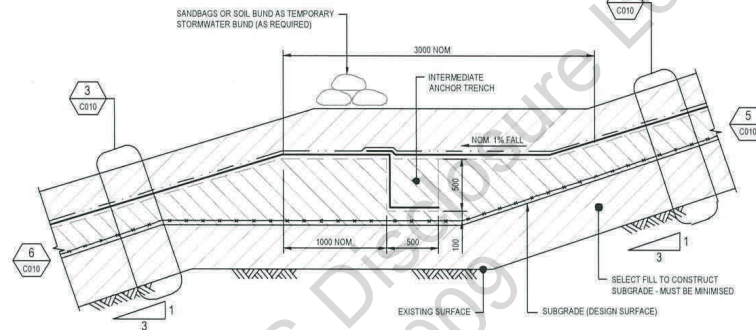
Client	CLEANAWAY SOLID WASTE PTY LTD
Project	NEW CHUM WASTE MANAGEMENT FACILITY
Title	SUB-CELL 3B1 DETAILED DESIGN
Original Size	A1
Drawing No:	21-28202-C010
Rev:	D



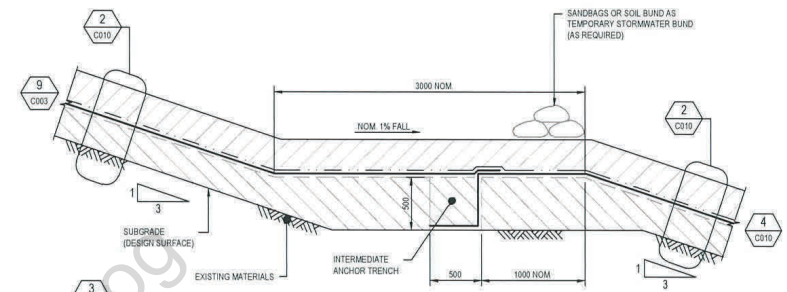
NOTES:

- CONTRACTOR SHALL CONFIRM REQUIREMENTS FOR SURFACE WATER MANAGEMENT BUND, GRADING PROFILE EAST OF BUND AND RELATED QUANTITIES PRIOR TO WORKS

EAST BATTER TERMINATION



SIDEWALL BENCH - NORTH BATTER



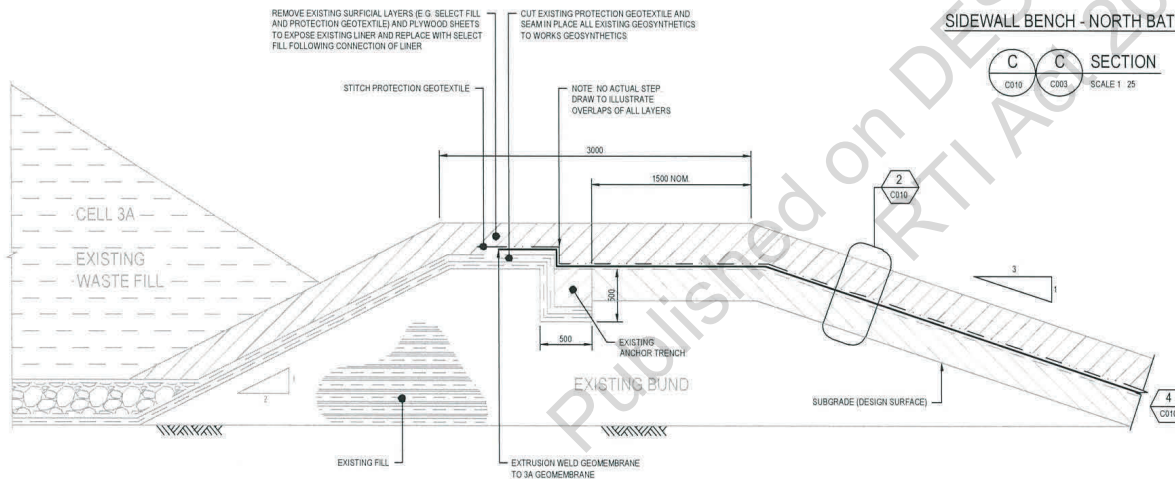
SIDEWALL BENCH - SOUTH BATTER



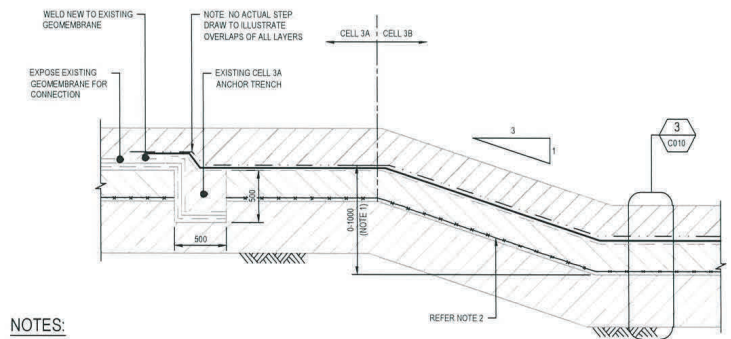
Pursuant to the Planning Act 2016, this plan forms part of Council's approval for

Approval No: 5478/2019/OW

Date: 29 October 2019



WEST BOUNDARY - CONNECTION WITH CELL 3A BASAL LINER



NOTES:

- GRADUALLY REDUCE TO 0 FROM TOE TO TOP OF NORTH BATTER APPROXIMATELY 0 ON SOUTH BATTER
- GEOTEXT NOT PRESENT / REQUIRED ON SOUTH BATTER



WEST BOUNDARY - CONNECTION WITH CELL 3A NORTH AND SOUTH BATTER SIDEWALL LINER

PRELIMINARY

D	REISSUED FOR APPROVAL SUBMISSION	LP	AH		
C	REISSUED FOR APPROVAL SUBMISSION	LP	AH		
B	REISSUED FOR APPROVAL SUBMISSION	LP	AH		
A	INITIAL ISSUE	LP	AH	AR	
No	Revision	Note	Notes	Indicates signatures on original issue of drawing or last revision of drawing	Date



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Drafting Check	Design	Project
Approved (RPEQ)	sch4p4(6) Personal	Title
Date	17/7/19	13/7/19
Scale	1:25	1:25

Client	CLEANAWAY SOLID WASTE PTY LTD
Project	NEW CHUM WASTE MANAGEMENT FACILITY
Title	SUB-CELL 3B1 DETAILED DESIGN
Sheet No	TYPICAL SECTIONS AND DETAILS - SHEET 2 OF 4
Drawing No	21-28202-C011
Rev	D

Attachment 4: Justification for Minor Amendment threshold

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RTI Act 2009

Minor Amendment Justification

A minor amendment for an EA is an amendment that the administering authority is satisfied:

- (a) **is not a change to a standard condition identified in the EA as a standard condition, other than a condition conversion or replacing a standard condition with a standard condition for the ERA; and**

The proposed minor amendment does not include a change to a standard condition.

- (b) **does not significantly increase the level of environmental harm caused by the relevant activity; and**

The proposed minor amendment will not increase the level of environmental harm as there is no proposed changes to overall existing ERA activities. The proposed minor amendment does not increase the footprint or area of disturbance of the ERA activities, and the activities will continue to be managed under the existing management procedures included in the conditions of the Environmental Authority and the existing Site Based Management Plan (SBMP).

- (c) **does not change any rehabilitation objectives in the EA in a way likely to result in significantly different impacts on environmental values than the impacts previously permitted under the EA; and**

The site's existing rehabilitation objectives will not change in a way likely to result in significantly different impact on environmental values due to the amendment.

- (d) **does not significantly increase the scale or intensity of the relevant activity; and**

The proposed amendment will not result in a change to the scale or intensity of the current activity, the volumes in the existing ERA's and EA conditions remain unchanged.

- (e) **does not relate to a new relevant resource tenure for the EA that is—**

- (i) **a new mining lease; or**

NOT APPLICABLE.

- (ii) **a new petroleum lease; or**

NOT APPLICABLE.

- (iii) **a new geothermal lease under the Geothermal Energy Act 2010; or**

NOT APPLICABLE.

- (iv) **a new greenhouse gas injection and storage lease under the Greenhouse Gas Storage Act 2009; and**

NOT APPLICABLE.

- (f) **increases the existing surface area for the relevant activity by 10% or less; and**

This proposed minor amendment will not result in an increase in the existing surface area of the environmentally relevant activity approved landfill footprint.

- (g) **for an EA for a petroleum activity—**

- (v) **involves constructing a new pipeline that does not exceed 150km in length; and**

NOT APPLICABLE.

- (vi) **involves extending an existing pipeline by no more than 10% of the existing length of the pipeline; and**

NOT APPLICABLE.

- (h) **is for a new relevant resource tenure for the authority that is an exploration permit or greenhouse gas permit—where the amendment application seeks an EA that is subject to the standard conditions for the relevant activity, to the extent it relates to the permit.**

NOT APPLICABLE.