

Permit¹

Environmental Protection Act 1994

Environmental authority EPPR00494213

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994 and supersedes previous permit SR1475 issued 16 April 2003.

Permit¹ number: EPPR00494213

Environmental authority takes effect from 26 May 2014.

Environmental authority holder(s)

Name	Registered address
CT Capital Pty Ltd T/A Twin Cedars Lifestyle Villas	60 Brandl Street EIGHT MILE PLAINS QLD 4113

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1b)(i) Sewage treatment >100 to 1500EP – Infiltration Trench	466 Steve Irwin Way BEERBURRUM - Lot 1 Plan RP217627 and Lot 915 Plan CG2336

Additional information for applicants

Environmentally relevant activities

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

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

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

Transitional Environmental Programs

A transitional environmental program (TEP) relates to this environmental authority and is currently in force until 30 June 2015. The holder of this environmental authority is also the holder of the TEP.

A copy of the TEP, Document Reference MAN17660 can be obtained from the Department of Environment and Heritage Protection.

In accordance with section 349 of the *Environmental Protection Act 1994* (the Act), the holder of an approval for a TEP must achieve full compliance with the Act for the matters dealt with by the TEP at the end of the period over which the TEP is carried out. It is an offence to contravene a requirement of the TEP or a condition of the TEP approval.



Signature



Date

Ben Sale
Compliance Delivery Manager - Sunshine
Coast
Department of Environment and Heritage
Protection
Delegate of the administering authority
Environmental Protection Act 1994

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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)

Conditions of environmental authority

Location: 466 Steve Irwin Way BEERBURRUM QLD 4517
Lot 915 on CG 2336 and Lot 1 on RP 217627

Relevant activity/ies:

Sewage treatment - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench.

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

Agency interest: General	
Condition number	Condition
G1	Contaminants must not be released to the environment other than in accordance with this environmental authority.
G2	The holder of this environmental authority must: (a) install and operate all works and control equipment, and (b) take all measures, perform all acts and do all things, necessary to ensure compliance with the conditions of this environmental authority.
G3	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.

G4	Any record required to be kept by a condition of this environmental authority must be kept at the licensed place and be available for examination by an authorised person.
G5	Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the administering authority on request.
G6	No change, replacement or operation of any plant or equipment is permitted if the change, alteration or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm or environmental nuisance.
G7	All instruments and measurement devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained. The calibration, operation and maintenance of such instruments and measurement devices in accordance with a protocol, which has been approved in writing by the administering authority, is deemed to demonstrate compliance with this condition.
G8	Notwithstanding any other condition of this environmental authority, this environmental authority does not authorise any release of contaminants which causes or is likely to cause an environmental nuisance beyond the boundaries of the licensed place.
G9	All complaints received by the holder of this environmental authority relating to operations at the licensed place must be recorded in a log book with the following details: (i) time and date of complaint; (ii) type of communication (telephone, letter, personal etc.); (iii) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded); (iv) response and investigation undertaken as a result of the complaint; (v) name of person responsible for investigating complaint; and (vi) action taken as a result of the complaint investigation and signature of responsible person.
G10	The complaints record required by condition number G9 must be maintained for a period of not less than 5 years.
G11	As soon as practicable after becoming aware of any emergency or incident which 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 this environmental authority must notify the administering authority of the release by telephone or email.

G12	The notification of emergencies or incidents as required by condition number G11 must include but not be limited to the following: (i) The holder of the environmental authority; (ii) the location of the emergency or incident; (iii) the number of the environmental authority; (iv) the name and telephone number of the designated contact person; (v) the time of the release; (vi) the time the holder of the environmental authority became aware of the release; (vii) the suspected cause of the release; (viii) the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and (ix) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.
G13	Not more than 14 days following the initial notification of an emergency or incident, the holder of the environmental authority must provide written advice of the information supplied in accordance with condition number G12 in addition to: (i) proposed actions to prevent a recurrence of the emergency or incident; (ii) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance, and (iii) the results of any environmental monitoring performed.
Agency interest: Air	
Condition number	Condition
A1	Except as otherwise provided by the conditions of the air schedule of this environmental authority the environmentally relevant activity/activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to the atmosphere.
A2	Notwithstanding any other condition of this environmental authority no release of contaminants from the licensed place is to cause a noxious or offensive odour beyond the boundaries of the licensed place.

Agency interest: Water	
Condition number	Condition
W1	Except as otherwise provided by the conditions of the water schedule of this environmental authority the environmentally relevant activity/activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to waters.
W2	Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the water schedule or to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
W3	No raw sewage pump stations are permitted to release contaminants to any waters.
W4	Except as otherwise provided by the conditions of the water schedule of this environmental authority, the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the contact of incident rainfall and stormwater runoff with wastes or other contaminants, and prevent or minimise the release or likelihood of release of any such contaminated runoff from the licensed place.
W5	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.
Agency interest: Noise	
Condition number	Condition
N1	Except as otherwise provided by the conditions of the noise schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the emission or likelihood of emission of noise.
Agency interest: Land	
Condition number	Condition
L1	Except as otherwise provided by the conditions of the land application schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to land.
L2	The only contaminant permitted to be released to land is treated sewage effluent.

L3	Disposal of effluent from the sewage treatment works shall be by means of sub-surface disposal infiltration trench to the areas designated as 'Agg trenches as approved' on Plan titled 'Wastewater Layout 2014 – Twin Cedars 466 Steve Irwin Way Beerburum' indicated in Schedule 1. Approved Plans
L4	For the purposes of checking conformity with condition L15 of the land application schedule, the holder of this environmental authority must be responsible for the making of determinations of the quality of the contaminants released. Such determinations must be performed for at least the following quality characteristics: (a) 5-day biochemical oxygen demand; (b) suspended solids; (c) pH; (d) dissolved oxygen; and (e) faecal coliforms
L5	The determinations of the quality of contaminants released to check conformity with condition L15 of the land application must be undertaken at the monitoring and in situ measurement point described as the final effluent tank.
L6	The determinations of the quality of contaminants released must be performed as often as necessary to check that the conditions of this environmental authority are being complied with, but not less frequently than quarterly.
L7	All determinations of the quality of contaminants released to the land must be made in accordance with methods prescribed in the Department of Environment and Heritage Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.
L8	All determinations of the quality of contaminants released must be performed by a person or body registered by the National Association of Testing Authorities (NATA) for the required determinations.
L9	Records must be kept of the results of all determinations of the quality of contaminants released to the land for a period of at least 5 years.
L10	Records must be kept of the results of all determinations of the daily quantity of contaminants released to the land for a period of at least 5 years.
L11	The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority is submitted with the initial Annual Return. Each subsequent Annual Return must include details of the results of monitoring performed during the 12 months preceding that Annual Return.
L12	The holder of this environmental authority must notify the administering authority in writing of any monitoring result which indicates an exceedance of any licence limit within 28 days of completion of analysis.

L13	The written notification required by condition number L12 above must include: (i) The full analysis results, and (ii) Details of investigation or corrective actions taken, and (iii) Any subsequent analysis.																					
L14	The contaminant/s released must comply with each of the release limits specified in Table 1 (L15) for each quality characteristic.																					
L15	Notwithstanding the quality characteristic limits specified in Table 1 of the land schedule the contaminants released must also comply with the following qualitative characteristics: (a) The release must not have any properties nor contain any organisms or contaminants in concentrations or which are capable of causing environmental harm or an environmental nuisance. TABLE 1 - RELEASE QUALITY CHARACTERISTIC LIMITS <table><tr><th>Quality Characteristics</th><th>Release Limit</th><th>Limit Type</th></tr><tr><td>5-day Biochemical Oxygen Demand. (mg/l)</td><td>20 mg/L</td><td>maximum</td></tr><tr><td>Suspended Solids. (mg/l)</td><td>30 mg/L</td><td>maximum</td></tr><tr><td>pH.</td><td>6.5 - 8.5 pH units</td><td>range</td></tr><tr><td>Dissolved Oxygen. (mg/l)</td><td>2 mg/L</td><td>minimum</td></tr><tr><td>Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals</td><td>150 colonies per 100 millilitres</td><td>median</td></tr><tr><td>Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals, with four out of five samples containing less than the <i>maximum</i> specified</td><td>600 colonies per 100 millilitres</td><td>maximum</td></tr></table>	Quality Characteristics	Release Limit	Limit Type	5-day Biochemical Oxygen Demand. (mg/l)	20 mg/L	maximum	Suspended Solids. (mg/l)	30 mg/L	maximum	pH.	6.5 - 8.5 pH units	range	Dissolved Oxygen. (mg/l)	2 mg/L	minimum	Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals	150 colonies per 100 millilitres	median	Faecal Coliforms, based on a minimum of five samples collected at not less than weekly intervals, with four out of five samples containing less than the <i>maximum</i> specified	600 colonies per 100 millilitres	maximum
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Agency interest: Waste																						
Condition number	Condition																					
R1	Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.																					

R2	Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and record the following: (a) the date, quantity and type of waste removed; and (b) name of the waste transporter and/or disposal operator that removed the waste; and (c) the intended treatment/disposal destination of the waste.
R3	Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.
R4	Records must be maintained for a period of 5 years for all wastes mentioned in this schedule.
R5	If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

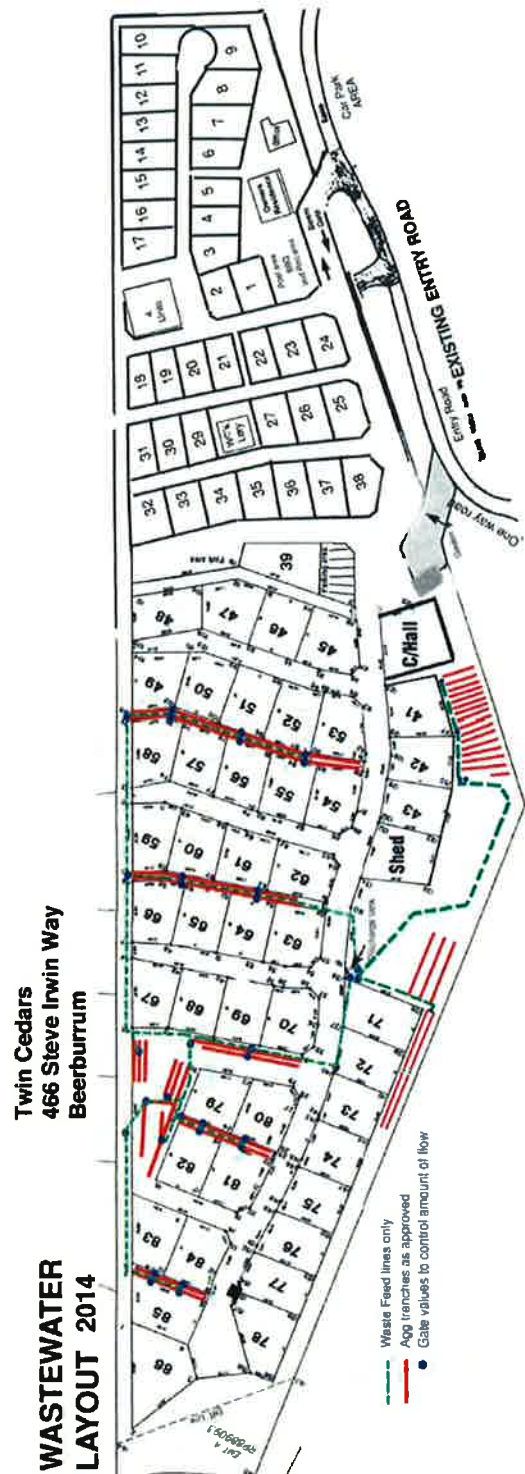
Definitions

Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

For the purposes of this environmental authority the following definitions apply:

- “Act” means the *Environmental Protection Act 1994*.
- “administering authority” means the Department of Environment and Heritage Protection or its successor.
- “land” means land excluding waters and the atmosphere.
- “mg/L” means milligrams per litre.
- “maximum” means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.
- “minimum” means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.
- “range” means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.

Schedule 1 - Approved plans

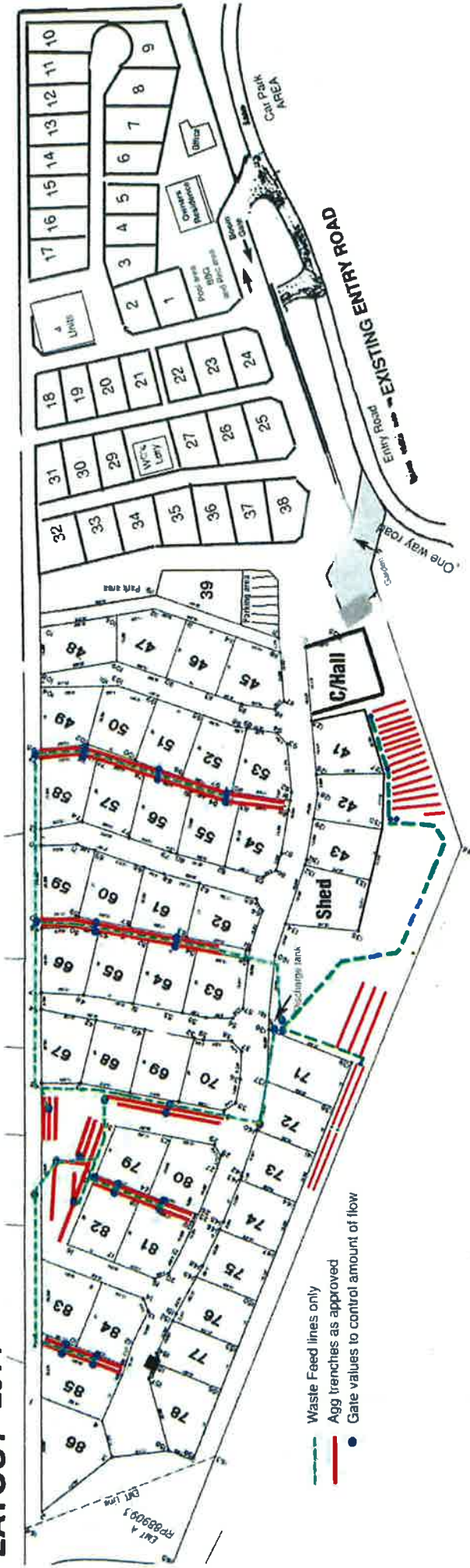


Attachments

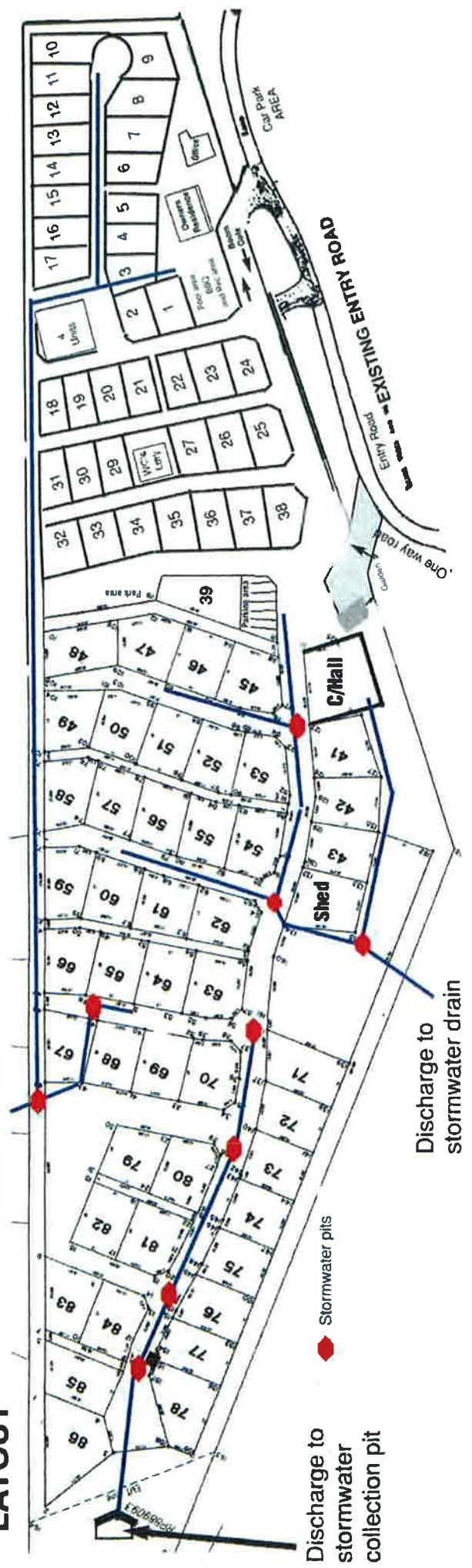
Wastewater Layout 2014 – Twin Cedars 466 Steve Irwin Way Beerburrum

Twin Cedars
466 Steve Irwin Way
Beerburum

WASTEWATER LAYOUT 2014



STORMWATER LAYOUT



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