

APPENDIX A – RECOMMENDED DEVELOPMENT CONSENT

Development Consent

Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning under delegation executed 14 September 2011, the Planning Assessment Commission of New South Wales grants consent to the development application referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the development.

Member of the Commission

Member of the Commission

Sydney

2016

SCHEDULE 1

Application No.:

SSD 4964

Applicant:

Veolia Environmental Services (Australia) Pty Ltd

Consent Authority:

Minister for Planning

Land:

37 Grand Avenue, Camellia (Lot 1 DP 539890)

Development:

Construction and operation of a materials recycling facility

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DEFINITIONS

Act	<i>Environmental Planning and Assessment Act 1979</i>
Applicant	Veolia Environmental Services (Australia) Pty Ltd, or anyone else entitled to act on this consent
Construction	The demolition of buildings or works, the carrying out of works, including bulk earthworks, and erection of buildings and other infrastructure covered by this consent
Council	Parramatta City Council
Department	Department of Planning and Environment
Development	The development that is approved by this development consent and as generally described in Schedule 1
EIS	The Environmental Impact Statement titled <i>Camellia Recycling Centre</i> prepared by CH2M Hill Australia Pty Ltd dated 22 February 2013
ENM	Excavated Natural Material
EPA	Environment Protection Authority
EPL	Environment Protection Licence under the <i>Protection of the Environment Operations Act 1997</i>
Feasible	Feasible relates to engineering considerations and what is practical to build
Heavy vehicle	Any vehicle with a gross vehicle mass of 5 tonnes or more
Heritage Item	An item as defined under the <i>Heritage Act 1977</i> , and assessed as being of local, State and/ or National heritage significance, and/or an Aboriginal Object or Aboriginal Place as defined under the <i>National Parks and Wildlife Act 1974</i> .
Incident	A set of circumstances that: <ul style="list-style-type: none">• causes or threatens to cause material harm to the environment; and/or• breaches or exceeds the limits or performance measures/criteria in this consent
Material harm to the environment	Actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial
Mitigation	Activities associated with reducing the impacts of the development prior to or during those impacts occurring
OEH	Office of Environment and Heritage
Operation	The receipt or processing of waste
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
Reasonable	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements
RTS	Response to Submissions Report titled <i>Veolia Environmental Services</i> prepared by CH2M Hill Australia Pty Ltd dated 3 December 2014
Secretary	Secretary of the Department, or nominee
Site	Land referred to in Schedule 1
Site Auditor	As defined in the <i>Contaminated Land Management Act 1997</i>
Site Audit Report	As defined in the <i>Contaminated Land Management Act 1997</i>
Site Audit Statement	As defined in the <i>Contaminated Land Management Act 1997</i>
VENM	Virgin Excavated Natural Material
Waste	As defined in the POEO Act

SCHEDULE 2

PART A ADMINISTRATIVE CONDITIONS

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

- A1. The Applicant shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction, operation or decommissioning of the Development.

TERMS OF CONSENT

- A2. The Applicant shall carry out the Development in accordance with the:
- EIS;
 - RTS;
 - Site layout plans and drawings (see Appendix A); and
 - Management and Mitigation Measures (see Appendix B).
- A3. If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.
- A4. The Applicant shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of:
- any reports, plans, strategies, programs or correspondence that are submitted in accordance with this consent; and
 - the implementation of any actions or measures contained in these reports, plans, strategies, programs or correspondence.

LIMITS OF CONSENT

- A5. This consent lapses 5 years after the date from which it operates, unless the Development has physically commenced on the land to which the consent applies before the date on which the consent would otherwise lapse under Section 95 of the Act.

STATUTORY REQUIREMENTS

- A6. The Applicant shall ensure that all licences, permits, and approvals/consents are obtained as required by law and maintained as required throughout the life of the Development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits or approvals/consents.

BUILDING CODE OF AUSTRALIA

- A7. The Applicant shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures are constructed in accordance with the relevant requirements of the *Building Code of Australia*.

LIMITS OF CONSENT

Waste limits

- A8. The Applicant shall not receive or process on the site more than 200,000 tonnes of waste per calendar year.

Waste type

- A9. The Applicant shall not cause, permit or allow any materials or waste generated outside the site to be received at the site for storage, use, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by an EPL.

OPERATION OF PLANT AND EQUIPMENT

- A10. The Applicant shall ensure that all plant and equipment used for the Development is:
- maintained in a proper and efficient condition; and
 - operated in a proper and efficient manner.

DEMOLITION

- A11. The Applicant shall ensure that all demolition work is carried out in accordance with *Australian Standard AS 2601:2001: The Demolition of Structures*, or its latest version.

STAGED SUBMISSION OF PLANS OR PROGRAMS

- A12. With the approval of the Secretary, the Applicant may:
- submit any strategy, plan or program required by this consent on a progressive basis; and/or
 - combine any strategy, plan or program required by this consent.

SURRENDER OF CONSENTS

- A13. In order for the development of land to proceed in a coordinated and orderly manner and to avoid potential conflicts with this consent, the Applicant shall and in the manner prescribed by clause 97 of the Regulation, surrender the development consents described in Table 1 prior to the issue of an Occupation Certificate for the Development.

Table 1 – Consents to be surrendered

Determination date	DA number	Details
3 December 1969	1054/J	
26 May 1970	G114/70	
23 July 1992	DA 39288/L91	Food waste recycling depot (grease trap plant)
15 March 1996	DA 96/00019/DJ	Upgrade of existing waste water treatment plant and the construction of two (2) vertical tanks
12 July 1996	DA 95/00886/DJ A	Relocate the already approved metal clad workshop towards the street frontage
28 October 1997	DA 97/00532/DJ	To erect an awning to an existing wash bay and to extend an existing storage bay
9 July 2001	DA IT/01476/99	To extend and upgrade an existing liquid waste treatment facility
5 April 2005	DA/532/1997/A	Section 96 application to modify Council original approval and in increase the height of the storage bays
22 October 2007	DA/658/2007	Conversion of a vehicle workshop to a packaged waste store
4 December 2007	DA/848/2007	Alterations and additions including replacement of 3 liquid storage tanks, increase in the size of the bunded area, extension of soil bay awning and additional soil bays

METEOROLOGICAL MONITORING

- A14. Within 14 days of the issue of a Construction Certificate for the Development, the Applicant shall ensure that there is a suitable meteorological station on the site that complies with the requirements in the latest version of the *Approved Methods for Sampling of Air Pollutants in*

New South Wales. The Applicant shall operate the meteorological station for the life of the Development.

PROTECTION OF PUBLIC INFRASTRUCTURE

A15. The Applicant shall:

- a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the Development; and
- b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the Development.

SITE AUDIT STATEMENT

A16. Prior to the issue of a Final Occupation Certificate for the Development, the Applicant shall obtain from a Site Auditor, a Site Audit Statement and a Site Audit Report which demonstrates that the site is suitable for its intended use(s).

DISPUTE RESOLUTION

A17. In the event of a dispute between the Applicant and a public authority, in relation to an applicable requirement in this consent or relevant matter relating to the Development, either party may refer the matter to the Secretary for resolution. The Secretary's determination of any such dispute shall be final and binding on the parties.

DEVELOPER CONTRIBUTIONS

A18. Prior to the issue of a Construction Certificate for the development, unless otherwise agreed with Council, the Applicant shall pay development contributions to Parramatta Council calculated in accordance with *Section 94A Development Contributions Plan (Amendment No. 4) Parramatta City Council 20 May 2015*.

PART B ENVIRONMENTAL PERFORMANCE

WASTE MANAGEMENT

Waste Monitoring Program

- B1. From the commencement of operation, the Applicant shall implement a Waste Monitoring Program for the Development. The program must:
- a) be prepared by a suitably qualified and experienced person(s) prior to the commencement of operation;
 - b) include suitable provision to monitor the:
 - (i) quantity, type and source of waste received on site; and
 - (ii) quantity, type and quality of the outputs produced on site.
 - c) ensure that:
 - (i) all waste that is controlled under a tracking system has the appropriate documentation prior to acceptance at the site; and
 - (ii) staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste including asbestos.

Waste storage and processing

- B2. All processed and unprocessed waste must be stored within the building on the site.

Pests, vermin and noxious weed management

- B3. The Applicant shall:
- a) implement suitable measures to manage pests, vermin and declared noxious weeds on the site; and
 - b) inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or noxious weeds are not present on site in sufficient numbers to pose an environmental hazard, or cause the loss of amenity in surrounding area.

Note: For the purposes of this condition, noxious weeds are those species subject to an order declared under the Noxious Weed Act 1993.

SOIL AND WATER

Compliance Certificate

- B4. A Section 73 Compliance Certificate under the *Sydney Water Act 1994* must be obtained from Sydney Water prior to the commencement of construction.

Pollution of Waters

- B5. The Development shall comply with Section 120 of the POEO Act, which prohibits the pollution of waters, except as expressly provided in an EPL.

Water Management Plan

- B6. Prior to the commencement of construction of the Development, the Applicant shall prepare a Water Management Plan to the satisfaction of the Secretary. The plan must:
- a) be prepared by a suitably qualified and experienced person(s) in consultation with Council;
 - b) include the details of:
 - (i) the Water Management System (see Condition B8);
 - (ii) erosion and sediment control measures (see Condition B9); and
 - (iii) bunding (see Condition B11).
- B7. The Applicant shall carry out the Development in accordance with the Water Management Plan approved by the Secretary (as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

Water Management System

- B8. The Applicant shall operate a Water Management System for the site. The system must:
- a) be designed by a suitably qualified and experienced person(s) in consultation with Council;

- b) include:
 - (i) a berm at the front of the site, which is designed to prevent catchment flows up to the 1 in 20 year Average Recurrence Interval event from entering the site;
 - (ii) drainage for surface water toward the Parramatta River where possible;
 - (iii) one way devices to prevent the ingress of river water to the water management system; and
 - (iv) clean surface water diversion around operational areas of the site

Erosion and sediment control

B9. The Applicant shall implement erosion and sediment control measures on-site in accordance with *Managing Urban Stormwater: Soils and Construction Vol 1*. (Landcom, 2004).

Acid Sulfate Soils

B10. The Applicant shall implement acid sulfate soils management measures in accordance with the guidance in the NSW Acid Sulfate Soil Management Advisory Committee's *Acid Sulfate Soil Manual*.

Bunding

B11. The Applicant shall store all chemicals, fuels and oils used on-site in appropriately banded areas in accordance with the requirements of all relevant Australian Standards, and/or EPA's *Storing and Handling Liquids: Environmental Protection – Participant's Manual 2007*.

Flood management

B12. The Applicant shall ensure that:

- a) the finished floor level of any new building is a minimum of 0.5 metres above the 1 in 100 year Average Recurrence Interval flood level; and
- b) any part of a new structure is designed and constructed to be structurally sound during a flood event equivalent to the Probable Maximum Flood.

Flood emergency response plan

B13. Prior to the commencement of construction of the Development, the Applicant shall prepare a flood emergency response plan to the satisfaction of the Secretary. The plan must:

- a) be prepared by a suitably qualified and experienced person(s) in consultation with Council;
- b) address the provisions of the *Floodplain Risk Management Guideline* (25 October 2007, Office of Environment and Heritage);
- c) include the details of the flood emergency responses for both construction and operation phases of the development;
- d) include details of:
 - (i) site planning and design features;
 - (ii) predicted flood levels;
 - (iii) flood warning time and flood notification;
 - (iv) evacuation and refuge protocols; and
 - (v) awareness training for employees and contractors.

B14. The Applicant shall carry out the Development in accordance with the flood emergency response plan approved by the Secretary (as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

Imported soil

B15. The Applicant shall:

- a) ensure that only VENM, or ENM, or other material approved in writing by the EPA is used as fill on the site;
- b) keep accurate records of the volume and type of fill to be used; and
- c) make these records available to the Department upon request.

AIR QUALITY

Odour

B16. The Applicant shall ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).

Air emissions mitigation

B17. The Applicant shall:

- a) carry out the Development so that air and odour emissions are minimised during all meteorological conditions; and
- b) implement best management practice, including all reasonable and feasible air and odour emission mitigation measures to minimise emissions from the Development.

Construction emissions mitigation

B18. During construction, the Applicant shall ensure that:

- a) all vehicles on site do not exceed a speed limit of 30 kilometres per hour;
- b) all loaded construction vehicles entering or leaving the site have their loads covered; and
- c) all loaded construction vehicles leaving the site are cleaned of dirt, sand and other materials before they leave the site, to avoid tracking these materials on public roads.

Odour Audit

B19. The Applicant shall carry out an Odour Audit of the Development no later than 6 months after operation of the Development. The audit must:

- a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;
- b) audit the Development in full operation;
- c) include a summary of odour complaints and any actions that were carried out to address the complaints;
- d) validate the Development against odour impact predictions in the EIS;
- e) review design and management practices in the Development against industry best practice for odour management; and
- f) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.

Note: The odour audit may be prepared so that it addresses the requirements of this consent and the EPL for the Development.

B20. Within six months of commissioning the Odour Audit, or as otherwise agreed by the Secretary, the Applicant shall submit a copy of the audit report to the Secretary, together with the Applicant's response to any recommendations contained in the audit report.

B21. The Applicant shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of the Odour Audit report.

NOISE AND VIBRATION

Construction and operation hours

B22. The Applicant shall comply with the construction and operation hours in Table 2 unless otherwise agreed in writing by the Secretary.

Table 2: Construction Hours

Activity		Day	Hours
Construction		Monday - Friday	7 am to 6 pm
		Saturday	8 am to 1 pm
		Sunday & Public Holidays	Nil
Operation	Waste processing	Any day	6 am to 10 pm
	Delivery and dispatch	Any day	Any time

B23. Despite Condition B22, any activity may occur at any time if that activity is required to be performed by police or other authorities for safety reasons; and/or if there is an on-site emergency that poses an immediate danger to personnel or equipment; and/or the operation or personnel or equipment is endangered. In such circumstances, prior notification shall be provided to the EPA and any affected residents as soon as possible, or within a reasonable period in the case of emergency.

Noise mitigation

B24. The Applicant shall:

- a) implement best practice, including all reasonable and feasible noise management and mitigation measures to prevent and minimise operational, low frequency and traffic noise generated by the Development;
- b) minimise the noise impacts of the Development during adverse meteorological conditions;
- c) install a steel fence on the northern and north-eastern side of the truck path;
- d) maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant is not used operationally until fully repaired; and
- e) regularly assess noise emissions and relocate, modify and/or stop operations to ensure compliance with the relevant conditions of this consent.

Noise criteria

B25. The Applicant shall ensure that the operational noise generated from the Development does not exceed the criteria in Table 3:

Table 3: Sleep Disturbance Criteria

Receiver/Location	Sleep Disturbance Criteria (L _{A1, 1min})
M1 John Street and M2 Milton Street	56

Vibration criteria

B26. The Applicant shall ensure that vibration resulting from the Development does not exceed the continuous or impulsive vibration criteria in EPA’s *Assessing Vibration: A Technical Guideline* (February 2006) at residential receivers.

TRAFFIC AND ACCESS

Operating Conditions

B27. The Applicant shall ensure that:

- a) internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the Development are constructed and maintained in accordance with the latest versions of *Australian Standard AS 2890.1* and *AS 2890.2*;
- b) the swept path of the longest vehicle entering and exiting the subject site, as well as manoeuvrability through the site, is in accordance with *AUSTROADS Guide to Road Design*;
- c) the Development does not result in any vehicles queuing on the public road network;
- d) all vehicles are wholly contained on site before being required to stop;
- e) all loading and unloading of materials is carried out on site;
- f) turning areas in the car park are kept clear of any obstacles, including parked cars, at all times;
- g) all trucks entering or leaving the site with loads have their loads covered;
- h) all loaded vehicles leaving the site are cleaned of dirt, sand and other materials before they leave the site, to avoid tracking these materials on public roads; and
- i) all vehicles enter and leave the site in a forward direction.

HAZARD AND RISK

Fire Management

B28. The Applicant shall:

- a) implement suitable measures to minimise the risk of fire on-site;
- b) extinguish any fires on-site promptly; and
- c) maintain adequate fire-fighting capacity on-site.

VISUAL AMENITY

Lighting

B29. All external lighting associated with the Development shall be mounted, screened, and directed in such a manner so as not to create a nuisance to the surrounding environment, properties and roadways. The lighting shall be the minimum level of illumination necessary and shall comply with *Australian Standard AS 4282 1997*.

Landscaping

B30. Prior to the commencement of construction of the Development, the Applicant shall prepare a Landscape Management Plan to the satisfaction of the Secretary. The plan shall:

- a) detail the landscaping measures including vegetation that is to be planted to minimise the visual impact of the Development, particularly from adjoining premises and public vantage points; and
- b) include measures for monitoring and maintenance of revegetated areas.

B31. The Applicant shall carry out the Development in accordance with the Landscape Management Plan approved by the Secretary (as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

HERITAGE

B32. The Applicant shall cease all works on site in the event that any Aboriginal cultural object(s) or human remains are uncovered. If human remains are uncovered, you must immediately stop work, not further disturb the remains and notify NSW Police. OEH and the Aboriginal community must be contacted if the remains are suspected to be of Aboriginal origin. If other Aboriginal objects are discovered, you must immediately stop work, not further disturb the objects and notify OEH by calling Environment Line on 131 555. Works must not resume in the designated area until the relevant written consent is received from NSW Police and/or OEH. Any Aboriginal objects discovered must be registered on the Aboriginal Heritage Management Information System (AHIMS), in accordance with section 89A of the *National Parks and Wildlife Act 1974*.

SECURITY

B33. The Applicant shall:

- a) install and maintain a perimeter fence and security gates on the site; and
- b) ensure that the security gates on site are locked whenever the site is unattended.

PART C ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

ENVIRONMENTAL MANAGEMENT

Construction Environmental Management Plan

- C1. Prior to the commencement of construction of the Development, the Applicant shall prepare a Construction Environmental Management Plan to the satisfaction of the Secretary. The Plan must:
- a) be prepared by a suitably qualified and experienced person(s);
 - b) describe all activities to be undertaken on the site during construction, including a clear indication of construction stages;
 - c) identify the statutory approvals that apply to the Development;
 - d) outline all environmental management practices and procedures to be followed during construction (e.g. construction traffic management and construction noise and vibration management), including all reasonable and feasible mitigation measures to protect the amenity of the surrounding environment;
 - e) detail how the environmental performance of construction will be monitored, and what actions will be taken to address identified adverse environmental impacts;
 - f) describe of the roles and responsibilities for all relevant employees involved in construction;
 - g) include arrangements for community consultation and complaints handling procedures during construction; and
 - h) consolidate the construction related parts of any management plans and monitoring programs required in the conditions of this consent;
- C2. The Applicant shall carry out the development in accordance with the Construction Environmental Management Plan approved by the Secretary (as revised approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

Operational Environmental Management Strategy

- C3. Prior to the commencement of operation, the Applicant shall prepare an Operational Environmental Management Strategy to the satisfaction of the Secretary. This strategy must:
- a) be prepared by a suitably qualified and experienced person(s);
 - b) provide a strategic framework for environmental management of the Development;
 - c) identify the statutory approvals that apply to the Development;
 - d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development;
 - e) describe in general how the environmental performance of the Development would be monitored and managed; and
 - f) describe the procedures that would be implemented to:
 - (i) keep the local community and relevant agencies informed about the operation and environmental performance of the Development;
 - (ii) receive, handle, respond to, and record complaints;
 - (iii) resolve any disputes that may arise;
 - (iv) respond to any non-compliance; and
 - (v) respond to emergencies.
- C4. The Applicant shall carry out the Development in accordance with the Operational Environmental Management Strategy approved by the Secretary (as revised approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

Management Plan Requirements

- C5. The Applicant shall ensure that the environmental management plans/strategies required under this consent are prepared in accordance with any relevant guidelines and include:
- a) detailed baseline data;
 - b) a description of:
 - (i) the relevant statutory requirements (including any relevant approval, licence or lease conditions);
 - (ii) any relevant limits or performance measures/criteria;

- (iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the Development or any management measures;
- (iv) the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;
- c) a program to monitor and report on the:
 - (i) impacts and environmental performance of the Development;
 - (ii) effectiveness of any management measures;
 - (iii) a contingency plan to manage any unpredicted impacts and their consequences;
 - (iv) a program to investigate and implement ways to improve the environmental performance of the Development over time;
- d) a protocol for managing and reporting any:
 - (i) incidents;
 - (ii) complaints;
 - (iii) non-compliances with statutory requirements; and
 - (iv) exceedances of the impact assessment criteria and/or performance criteria; and
 - (v) a protocol for periodic review of the plan.

C6. The Secretary may waive some of the requirements in Condition C5 if they are unnecessary or unwarranted for particular management plans/strategies.

REPORTING

Incident Reporting

C7. The Applicant shall notify, at the earliest opportunity, the Secretary and any other relevant agencies of any incident that has caused, or threatens to cause, material harm to the environment. For any other incident associated with the Development, the Applicant shall notify the Secretary and any other relevant agencies as soon as practicable after the Applicant becomes aware of the incident. Within 7 days of the date of the incident, the Applicant shall provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.

Regular Reporting

C8. The Applicant shall provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.

INDEPENDENT ENVIRONMENTAL AUDIT

- C9. Within 1 year of the date of this consent and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the Development. This audit must:
- a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
 - b) led by a suitably qualified auditor, and include experts in fields specified by the Secretary;
 - c) include consultation with the relevant agencies;
 - d) assess the environmental performance of the Development and assess whether it is complying with the requirements in this consent, and any other relevant approvals and relevant EPL/s (including any assessment, plan or program required under the approvals);
 - e) review the adequacy of any approved strategy, plan or program required under the abovementioned consents; and
 - f) recommend measures or actions to improve the environmental performance of the Development, and/or any strategy, plan or program required under the consents.
- C10. Within three months of commissioning this audit, or as otherwise agreed by the Secretary, the Applicant shall submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.

Annual Review

- C11. Within 1 year of the date of this consent, and every year thereafter, the Applicant shall review the environmental performance of the Development. This review must:
- a) describe the Development that was carried out in the previous calendar year, and the Development that is proposed to be carried out over the next year;
 - b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of the results against the:
 - (i) the relevant statutory requirements, limits or performance measures/criteria;
 - (ii) requirements of any plan or program required under this consent;
 - (iii) the monitoring results of previous years; and
 - (iv) the relevant predictions in the EIS;
 - c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;
 - d) identify any trends in the monitoring data over the life of the Development;
 - e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and
 - f) describe what measures will be implemented over the next year to improve the environmental performance of the Development.

Revision of Strategies, Plans and Programs

- C12. Within 3 months of the submission of an:
- a) annual review under Condition C11 above;
 - b) incident report under Condition C7 above;
 - c) audit under Condition C9 above; or
 - d) any modification to this consent,

the Applicant shall review, and if necessary revise, the strategies, plans, and programs required under this consent.

Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the Development.

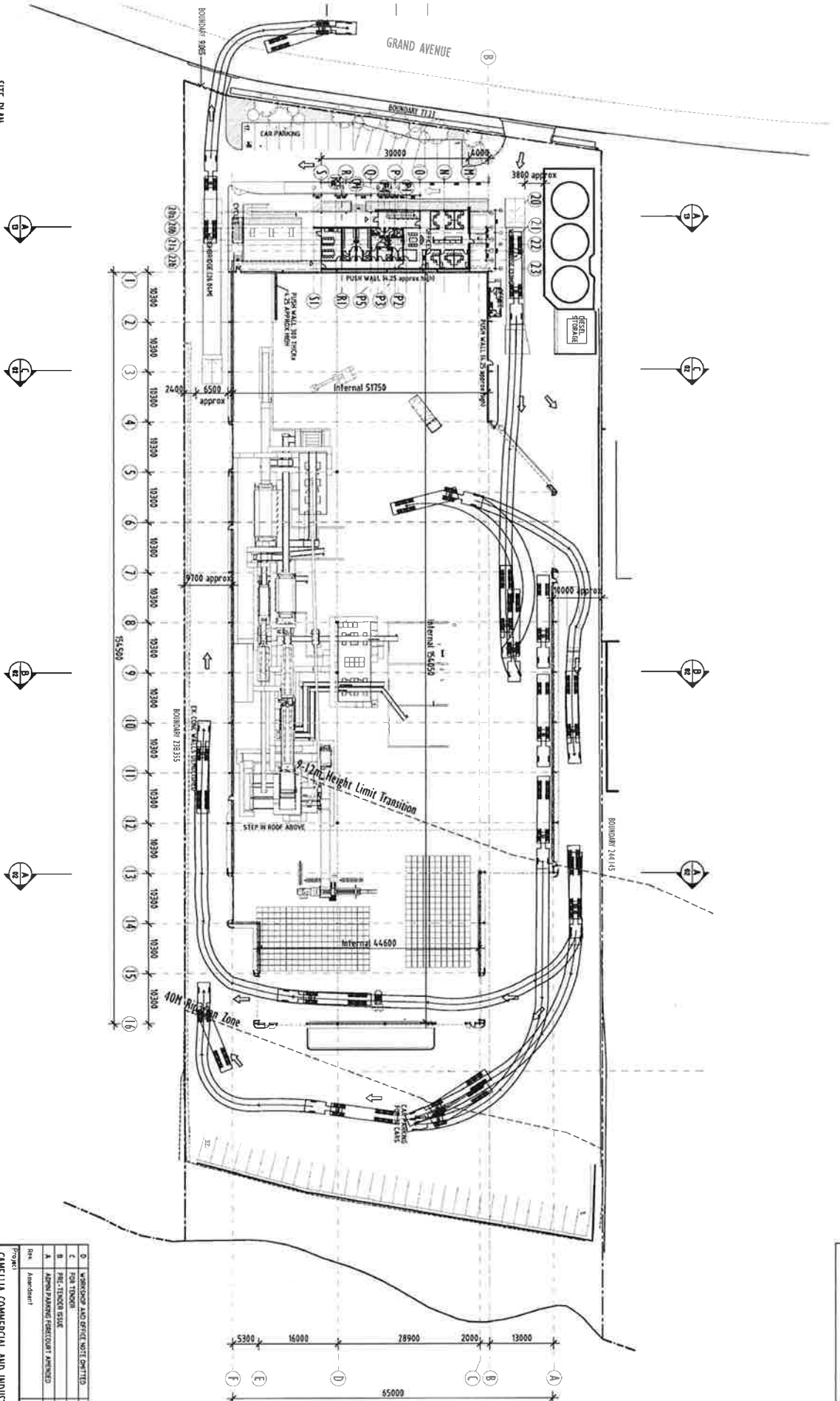
- C13. The Applicant shall ensure that the operation of the Development is undertaken in accordance with all relevant updated and/or amended strategies, management plans and programs approved by the Secretary (or as revised and approved by the Secretary), unless otherwise agreed by the Secretary.

ACCESS TO INFORMATION

- C14. The Applicant shall:
- a) make copies of the following publicly available on its website:
 - (i) the documents referred to in Condition A2;
 - (ii) all current statutory approvals for the Development;
 - (iii) all approved strategies, plans and programs required under the conditions of this consent;
 - (iv) a comprehensive summary of the monitoring results of the Development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs;
 - (v) a complaints register, updated on a monthly basis;
 - (vi) the annual reviews of the Development;
 - (vii) any independent environmental audit of the Development, and the Applicant's response to the recommendations in any audit; and
 - (viii) any other matter required by the Secretary; and
 - b) keep this information up to date.

APPENDIX A – SITE AND LAYOUT PLANS

SITE PLAN
SHOWING EQUIPMENT LAYOUT



0	WORKSHOP AND ENGINE NOISE DIMITTER	28 OCT 15
1	FOR TENDER	27 NOV 14
2	FOR TENDER ISSUE	13 DEC 14
3	FOR TENDER	13 DEC 14
4	APPROXIMATE EQUIPMENT FOOTPRINTS	4 OCT 15
Rev	Amendment	Date

Project: **CAMELLA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY**

Client: **VEOLIA ENVIRONMENTAL SERVICES**

Drawn: **PROPOSED PLAN SHOWING EQUIPMENT LAYOUT**

Drawn by: **BUTLER & CO ARCHITECTS Pty Ltd**

Checked by: **ARCHITECT & ENGINEER**

Project No: **1224 CD21**

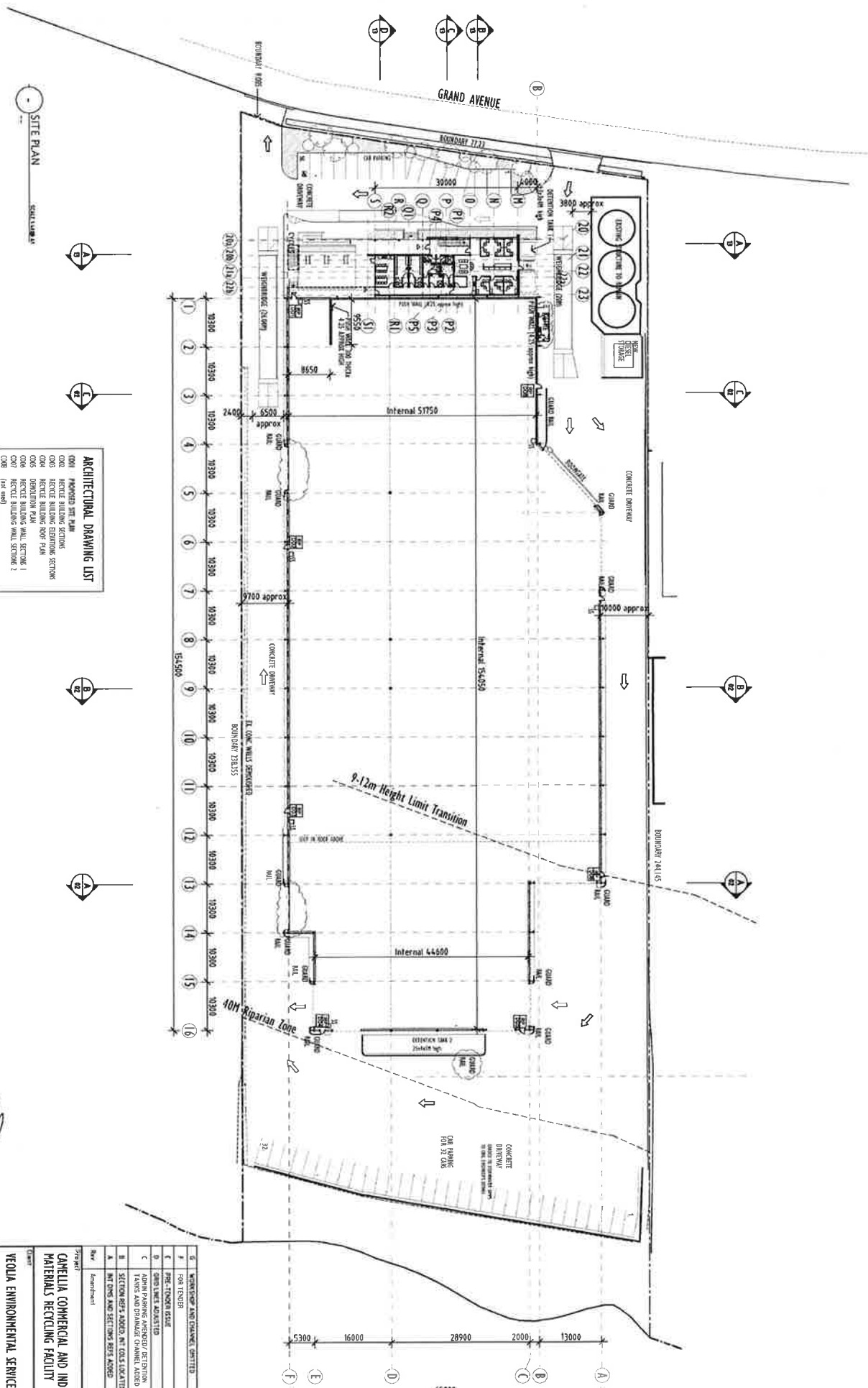
Scale: **1:4,000**

Date: **28 OCT 15**

Revision: **D**

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- ARCHITECTURAL DRAWING LIST**
- 001 PROPOSED SITE PLAN
 - 002 RECTE BUILDING SECTIONS
 - 003 RECTE BUILDING ELEVATIONS SECTION
 - 004 RECTE BUILDING ROOF PLAN
 - 005 MECHANICAL ROOM PLAN
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 - 010 OFFICE GROUND FLOOR PLAN
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 - 020 OFFICE ROOF CORNER
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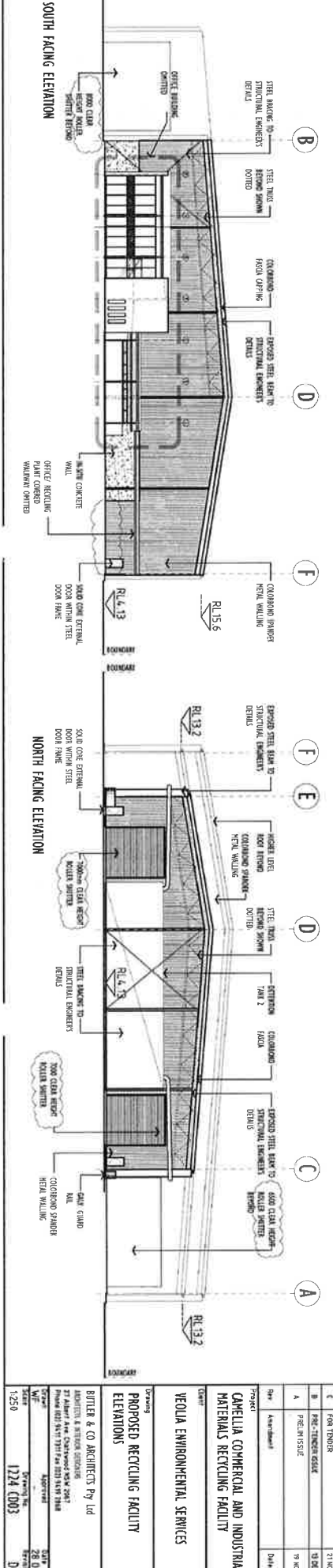
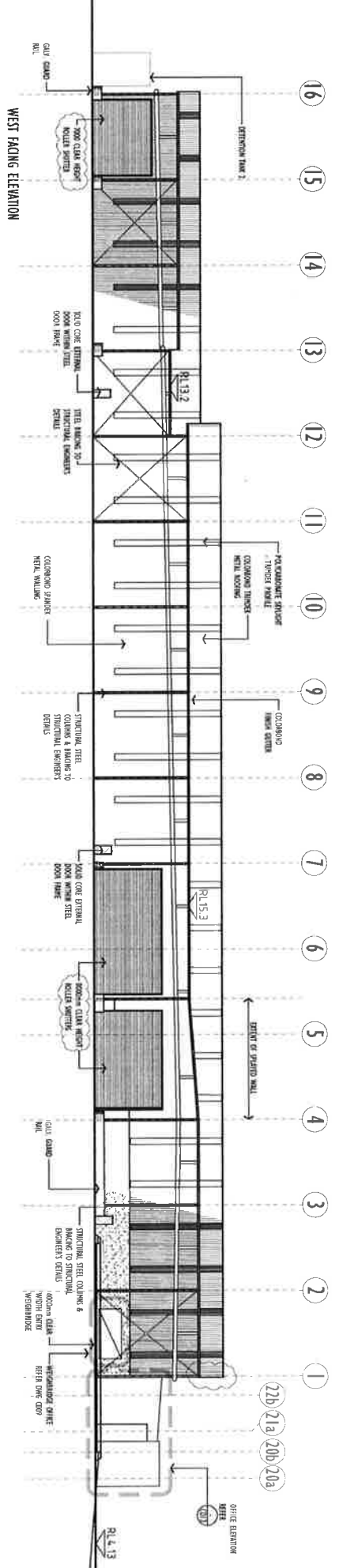
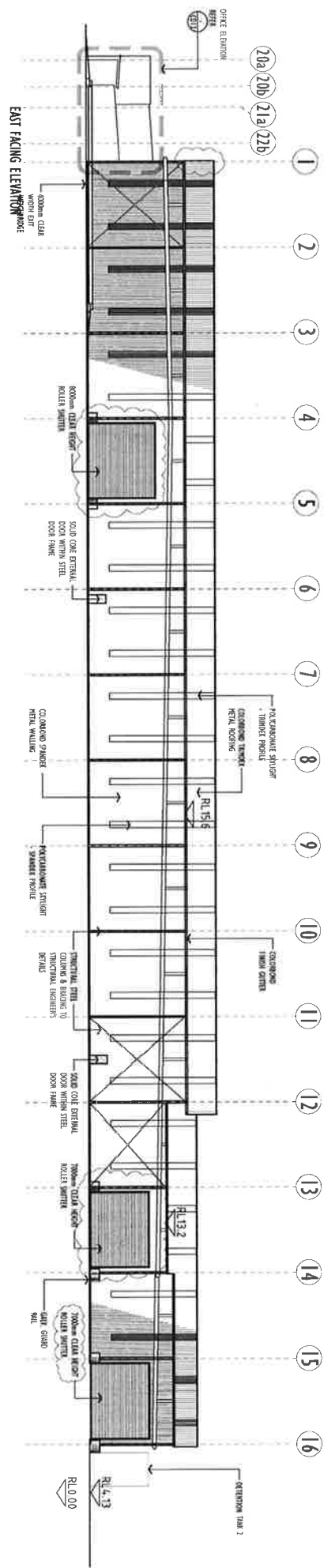


DATE	15/01/15
SCALE	As Shown
DATE	28/02/15
SCALE	As Shown
DATE	12/04/15
SCALE	As Shown

BRITTON & CO ARCHITECTS BY LTD
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 27 ALBERT ROAD, CHANSHAW NSW 2209
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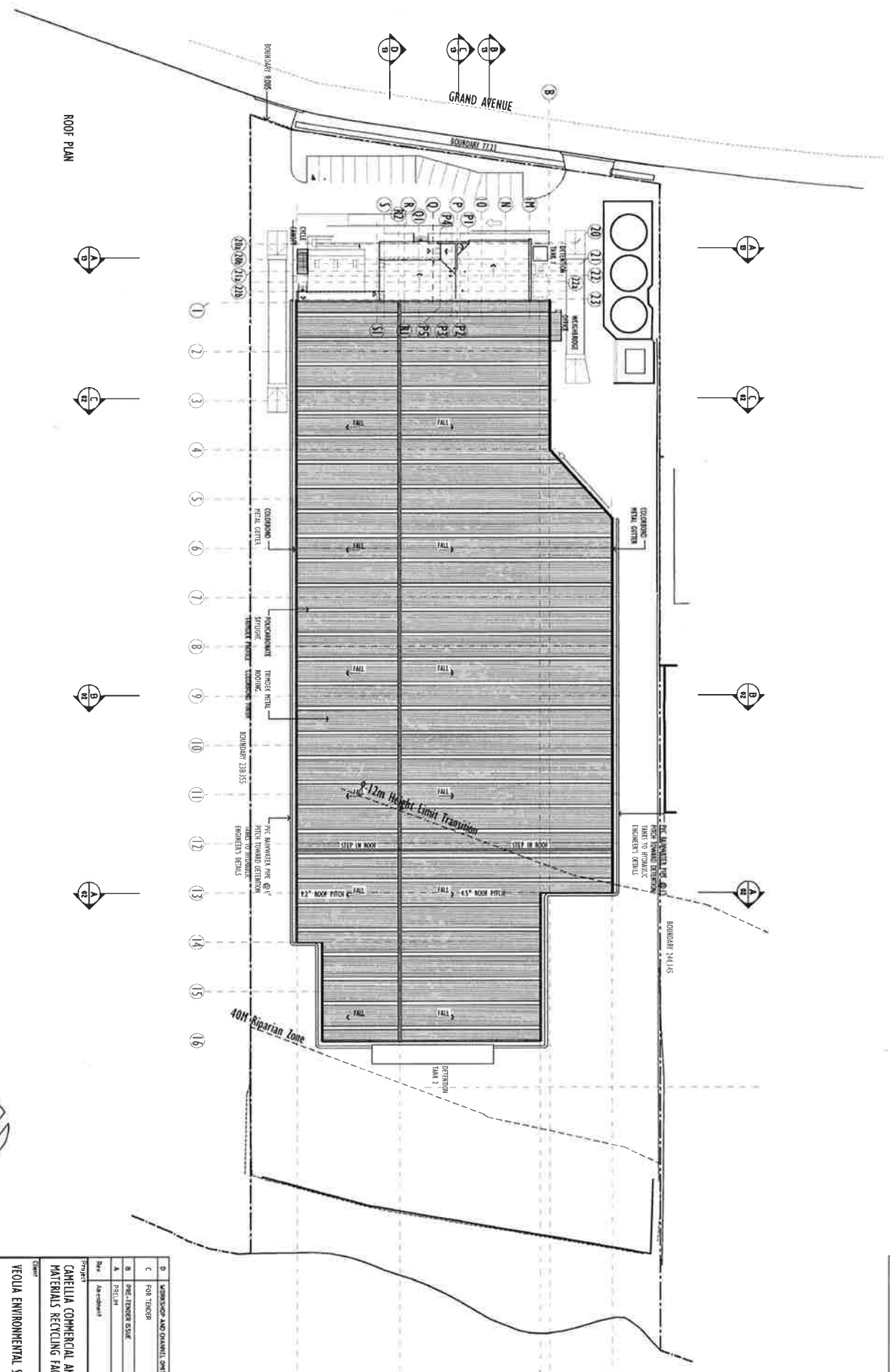
VEOLIA ENVIRONMENTAL SERVICES
CANELLA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY
PROPOSED SITE PLAN

NO.	DESCRIPTION	DATE
1	WORKSHEET AND CONVEYOR SYSTEMS	28 OCT '13
2	FOR TENDER	21 NOV '14
3	PRE-TENDER BIDD	11 DEC '13
4	CONTRACT ADJUSTED	13 NOV '13
5	ADMIN PARKING ARRANGED / DETERMINED	8 DEC '13
6	ISSUE AND CHANGE DRAWING ADMIN	27 AUG '13
7	SECTION REFS. ADDED. REVISION LOCATED	27 AUG '13
8	REVISIONS AND SECTIONS REFS. ADDED	17 MAR '13



Drawing		Project	
D	GENERAL NOTE SHEETS	30 OCT '15	28 OCT '15 21 NOV '14 19 NOV '13
C	FLOOR TRENDS	10 DEC '14	
B	PAGE-TRENDS DESIGN	10 DEC '14	
A	PRELIM ISSUES	19 NOV '13	
Client		Project	
VEDULA ENVIRONMENTAL SERVICES		CAMELIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY	
Architect			
BUTLER & CO ARCHITECTS Pty Ltd			
27 Albert Road, Darlington NSW 2104 Phone: 61 61 911 7711 Fax: 61 61 911 5439 Email: info@butlerandco.com.au Website: www.butlerandco.com.au			
DWG No.	1250	Date	28 OCT '15
Scale	1:250	Revision	D

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ROOF PLAN



Client	VEQUA ENVIRONMENTAL SERVICES
Project	CAMELIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY
Drawn	Amal/Amal
Checked	Amal
Scale	As Shown
Date	28 Oct 15
Version	D

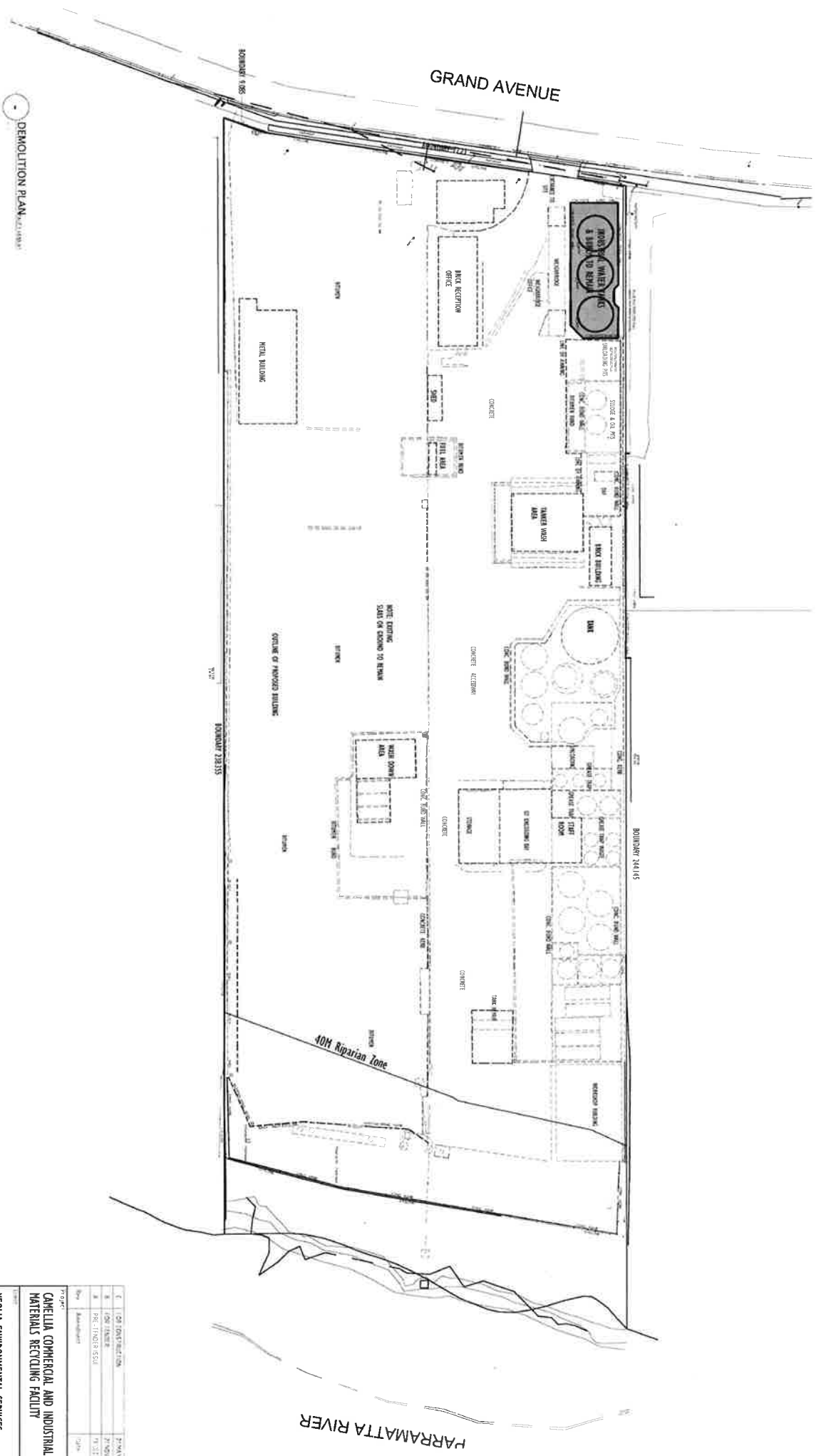
PROPOSED ROOF PLAN

BUTLER & CO. ARCHITECTS Pty Ltd
 ARCHITECTS & INTERIOR DESIGNERS
 27 Albert Ave, Eastwood NSW 2057
 Phone: 02 94373154 Fax: 02 9437 8868

Drawn: Amal/Amal
 Date: 28 Oct 15
 Scale: As Shown
 Version: D

1224 0004

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DEMOLITION PLAN

EXISTING BUILDINGS, TANKS & STRUCTURES TO BE DEMOLISHED.
REFER CIVIL DRAWINGS FOR PAVING RETENTION



1	CONSTRUCTION	21/06/15
2	DEMOLITION	21/06/15
3	DEMOLITION	21/06/15
4	DEMOLITION	21/06/15
5	DEMOLITION	21/06/15
6	DEMOLITION	21/06/15
7	DEMOLITION	21/06/15
8	DEMOLITION	21/06/15
9	DEMOLITION	21/06/15
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12	DEMOLITION	21/06/15
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14	DEMOLITION	21/06/15
15	DEMOLITION	21/06/15
16	DEMOLITION	21/06/15
17	DEMOLITION	21/06/15
18	DEMOLITION	21/06/15
19	DEMOLITION	21/06/15
20	DEMOLITION	21/06/15

VEOLIA ENVIRONMENTAL SERVICES
 DEMOLITION PLAN
 BUTLER & CO ARCHITECTS Pty Ltd
 ARCHITECT & DESIGN SERVICES
 77 Ashby Lane, Cammerajong NSW 2840
 PHONE: 082 947 1177 FAX: 082 947 1188
 MAIL: 14/60
 21/06/15
 1224 0005
 C

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FLOOR FINISHES

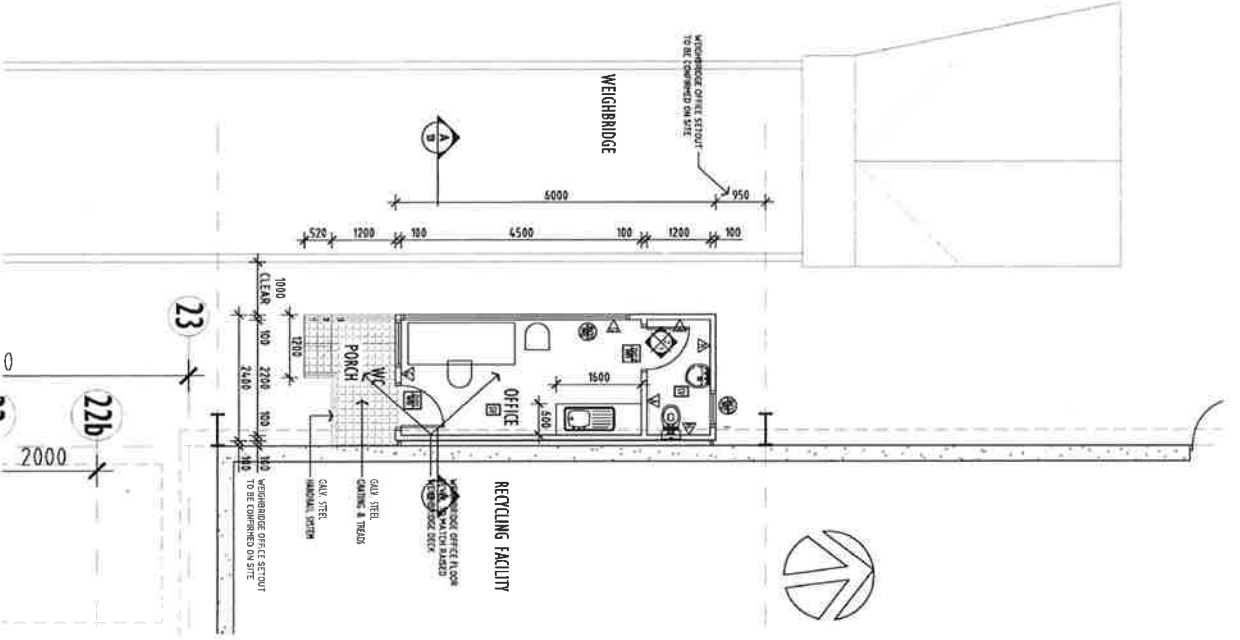
- NEW CARPET - 7'x15'
- NEW POLYURETHANE
- NEW POLYURETHANE
- NEW POLYURETHANE

WALL LEGEND

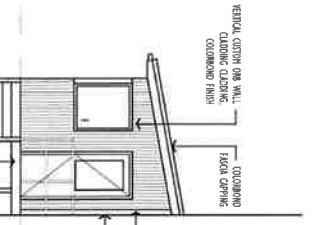
- ▲ RETAINING WALL PARTITION WALL EXTERNALLY WITH 200MM POLYURETHANE INSULATION AND POLYURETHANE INSULATION TO EXTERIOR
- ▲ NEW CONCRETE WALL WITH 100MM POLYURETHANE INSULATION
- ▲ NEW CONCRETE WALL WITH 100MM POLYURETHANE INSULATION

CEILING LEGEND

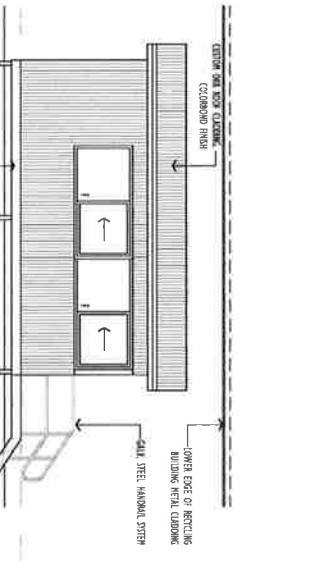
- 150mm POLYURETHANE INSULATION
- 100mm POLYURETHANE INSULATION



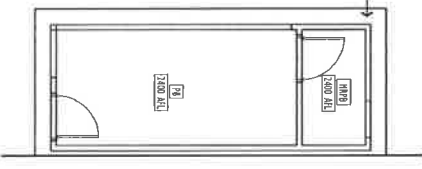
PROPOSED WEIGHBRIDGE FLOOR PLAN



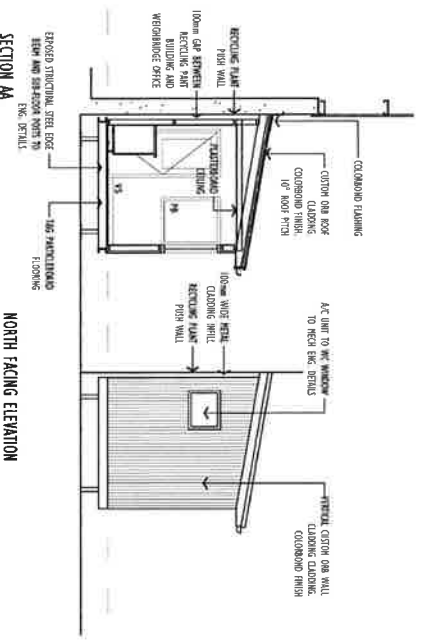
SOUTH FACING ELEVATION



WEST FACING ELEVATION



PROPOSED WEIGHBRIDGE REFLECTED CEILING PLAN

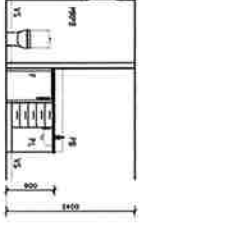


SECTION AA

NORTH FACING ELEVATION



ELEVATION 2 (WC)



ELEVATION 1 (TEA STATION / WC)

Project	CAPRELLA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY
Client	VEOLA ENVIRONMENTAL SERVICES
Drawings	PROPOSED WEIGHBRIDGE OFFICE
Client	BUTLER & CO ARCHITECTS Pty Ltd
Address	27 ASHBY AVE, CARLISLE NSW 2827
Phone	(08) 9391 5211
Website	www.butlerandco.com.au
Scale	1:50
Date	21 Nov 16
Drawn By	1224 CD09
Checked By	C

APPENDIX B – MANAGEMENT AND MITIGATION MEASURES

Environmental Issue	Mitigation Measures
Air Quality & Odour	Construction Mitigation Measures
	Any disturbance required to the subsurface would be undertaken in accordance with the existing control measures, provided in the SSEMP and the RAP, which was prepared to protect workers from any potential exposure to contamination.
	Further identification of these areas would be undertaken as part of the Construction Environmental Management Plan.
	An industrial hygienist would be involved in the development of an asbestos management plan for the construction works and would be onsite at all times during the exposure of any materials under the capping layer.
	If required, the WorkCover Authority of NSW (WorkCover) would be notified in writing five days before any licensed asbestos removal work is commenced.
	Air monitors will be set up around the site to monitor key air quality parameter including dust and potential contaminants prior to exposure of the cap, and for the duration of the construction phase.
	Staff would be briefed on site contamination, risks and management measures prior to work commencing. This briefing would outline the difference between inhalation and other pathways where contact with contaminants is possible (e.g. ingestion, dermal absorption).
	Personnel would wear appropriate personal protective equipment whilst on site at all times during construction, including disposable dust masks and disposable coveralls during any disturbance of the cap.
	A Health and Safety Plan and risk assessment would be developed and implemented prior to construction commencing.
	During demolition works there is the potential for asbestos to be present on site. If suspected asbestos is encountered the following mitigation measures should be followed:
	Works should cease immediately until a licensed asbestos contractor can conduct removal of material;
	Appropriate personal protective equipment must be worn; and
	All removal works to be conducted in accordance with the Commonwealth's Work Health and Safety (WHS) Act and Regulation 2011 and the NSW WorkCover applicable How to Safely Remove Asbestos Code of Practice (WorkCover).
	Dust mitigation measures such as water suppression, would be employed during the construction phase to minimise any potential airborne dust and subsequent impact on neighbouring sites. Moisture in soils increases aggregation and cementation of the particles, which reduces the potential for dust emissions.
	Following the construction of the CRC, the site would again remain fully sealed to prevent any contact with contaminated soil and also assist in reducing the potential for dust impacts from the operation of the CRC.
Time between ground disturbance and rehabilitation and the number of exposed surfaces will be minimised to prevent generation of dust.	
All loads of excavated material, soil, fill and other erodible matter transported to or from the work site will be kept covered at all times during	

Environmental Issue	Mitigation Measures
	<p>their transportation where required.</p> <p>Any dust complaints associated with the construction works will be investigated as soon as practical.</p> <p>Machinery and vehicles will not be left running when not in use.</p> <p>All vehicles and equipment must comply with the POEO Act 1997 and be fitted with properly maintained emission controls relevant to their date of manufacture.</p> <p>Exhaust emissions from stationary equipment such as generators will be directed away from residential properties.</p> <p>No matter of any kind is to be burnt on site.</p> <p>Operational Mitigation Measures</p> <p>All quality assurance picking stations and mobile equipment will have air conditioning, this will help to control air quality for employees within these confined areas.</p> <p>The building will have a dust suppression system installed within the receival and product areas.</p>
Hazard & Risk Management	<p>Construction Mitigation Measures</p> <p>The CEMP would include emergency response measures to be implemented during construction if required. All contractors would be trained in these measures prior to construction commencing.</p> <p>Fully stocked spill kits would be available at the premises and located in key areas. Spills to be cleaned up immediately. The spill kit must immediately be replenished when used.</p> <p>Operational Mitigation Measures</p> <p>The existing safety management measures and emergency response plans would be updated to reflect the proposed changes at the site.</p> <p>Fully stocked spill kits would be available at the premises and located in key areas. Spills to be cleaned up immediately. The spill kit must immediately be replenished when used.</p> <p>Faulty or unsafe equipment would be identified immediately and taken out of operation and replaced.</p> <p>Fire protection measures would include sprays, hoses and extinguishers. A Fire Brigade response would also be included in the emergency response plan.</p> <p>Fire protection equipment would be maintained as per the requirements of AS1851.</p> <p>All staff would be aware and trained in emergency response procedures for the site.</p> <p>All operators would be trained in fire prevention and fire fighting.</p> <p>Hot Work Permits would be required prior to undertaking any hot work.</p> <p>No smoking permitted and signs in the processing areas would be installed.</p> <p>Scheduled inspections on electrical equipment / cords would be completed by a competent person and in accordance with manufacturer's instructions.</p> <p>All equipment would be fitted with appropriate safety switches (e.g. ensure residual current device is positioned between tools and general power</p>

Environmental Issue	Mitigation Measures
	outlets, emergency stop button).
	Service plant and equipment would be maintained as per manufacturer's requirements.
	Regular workplace inspections would be carried out to identify hazards and implement any necessary rectifications.
	All materials would be stored within enclosed structures to minimise impact of storm flooding.
	All visitors must report / sign-in to the office and be accompanied by site personnel at all times when on-site.
	Site security process / procedure would be clearly documented (e.g. security services).
	Security measures would include fencing, CCTV, security patrols, operator / driver vigilance.
Noise & Vibration	Construction Mitigation Measures
	A Construction Noise Management Plan would be developed.
	Noise monitoring will be conducted during construction.
	Construction works are to be carried out within the standard construction hours of 7am to 6pm Monday to Friday and 8am to 1pm Saturday. No work is to occur on Sundays or Public Holidays unless prior approval from EPA has been sought.
	Minimise construction-related vehicle movements on the site outside the normal construction hours identified above.
	Choose appropriate machines for each task and adopt efficient work practices to minimise the total construction period and the number of noise sources on the site. Avoid unnecessary noise due to idling diesel engines and fast engine speeds when lower speeds are sufficient for the task.
	Ensure all machines used on the site are maintained in good condition, with particular emphasis on exhaust silencers, covers on engines and transmissions and squeaking or rattling components. Excessively noisy machines should be repaired or removed from the site.
	Machines with excessively noisy reverse alarms should similarly be modified or removed from the site.
	Consult with nearest Rydalmere residences before work begins, including machines required on the site and the expected construction program.
	Should particular activities be required at night, every effort should be made to notify residents in advance, minimise noise during each event and carry out the activity as early as possible in the evening.
	Operational Mitigation Measures
	Ensure all machines used on the site are maintained in good condition, with particular emphasis on exhaust silencers, covers on engines and transmissions and squeaking or rattling components. Excessively noisy machines should be repaired or removed from the site.
	Machines with excessively noisy reverse alarms should similarly be modified or removed from the site.
	Replace the existing cyclone fence at the northern end of the site with a 1.8 m steel fence (minimum 0.42 mm Base Metal Thickness) from the northwest corner of the property, aligned with the kerb along northern

Environmental Issue	Mitigation Measures
	<p>boundary, around to northeast corner of the property and finish level with the northeast corner of the CRC building.</p> <p>Maintain existing site speed limit of 20 km/hr and include no stopping requirement along the northern boundary for all heavy vehicles.</p>
Waste	<p>Construction Mitigation Measures</p> <p>Portable toilets would be provided on site for the workers, if existing site toilets are removed prior to new toilets being installed. Toilet waste from any portable is to be removed by an appropriately licensed contractor.</p> <p>All waste generated as a result of the proposed works would be managed in accordance with DECCW Waste Classification Guidelines (December 2009). All wastes will be securely stored to prevent pollutants from escaping.</p> <p>All contaminated waste would be managed in accordance with the measures outlined for contaminated material.</p> <p>Any waste (excluding toilet waste) generated each day would be stored in a suitable container and transported from the site to an appropriate facility. A sufficient number of suitable receptacles for general waste, hazardous waste and recyclable materials will be provided for waste disposal, including sufficient bins to allow separation of wastes for recycling.</p> <p>Concrete pumps would be cleaned in accordance with the POEO Act 1997.</p> <p>The contractor would be required to follow the Waste Resource Management Hierarchy principles of the Waste Avoidance and Recovery Act 2001.</p> <p>Waste streams would be sorted to maximise the recycling potential and minimise disposal costs.</p> <p>Any fuel, lubricant or hydraulic fluid spillages would be collected using absorbent material and the contaminated material disposed at a licensed waste facility. Apart from the material contained beneath the cap, no contaminated waste is to remain on site.</p> <p>Documents and records of the transport and fates of all materials removed from the site would be kept as proof of correct disposal and for environmental auditing purposes.</p> <p>The site would be left clean and free of weeds, debris and other rubbish at the end of the works.</p> <p>Sustainable initiatives are to be incorporated into the construction contract to encourage the contractor to source recycled material as part of construction activities.</p> <p>If suspected asbestos is encountered the mitigation measures outlined for air quality and contaminated material should be followed.</p> <p>Operational Mitigation Measures</p> <p>Any waste (excluding toilet waste) generated each day would be stored in a suitable container, with a lid, and transported from the site to an appropriate facility or processed through the CRC. A sufficient number of suitable receptacles for general waste and recyclable materials will be provided for waste disposal, including sufficient bins to allow separation of wastes for recycling.</p> <p>Any fuel, lubricant, or hydraulic fluid spillages would be collected using absorbent material and the contaminated material disposed at a licensed</p>

Environmental Issue	Mitigation Measures
	<p>waste facility. No contaminated waste is to remain on Site.</p> <p>The site would have an adequate quantity of spill kits and these will be restocked as needed.</p>
<p>Greenhouse Emissions</p> <p>Gas</p>	<p>Construction Mitigation Measure</p> <p>All trucks leaving the site carrying waste would be filled to the maximum amount allowable, to the extent that is practicable depending on the truck size, making certain that trucks are adequately covered in order to reduce the number of traffic movements required.</p> <p>The contractor would limit idling time of plant and equipment whilst onsite.</p> <p>The contractor would be required to include energy efficiency tips and requirements into the site environmental induction.</p> <p>The contractor would make certain that the only lighting left on overnight around the site office will be security or emergency/access lighting.</p> <p>Earthmoving equipment and on-site vehicles would be fitted with exhaust controls in accordance with the POEO (Clean Air) Regulation.</p> <p>The contractor would be required to check that all equipment is properly maintained so that unacceptable exhaust emissions do not occur in accordance with the POEO (Clean Air) Regulation.</p> <p>Incorporation of energy efficiency and GHG reduction measures would be monitored through the implementation of detailed design, procurement management and construction.</p> <p>Operational Mitigation Measures</p> <p>Investigate the feasibility of energy efficiency initiatives with suppliers of:</p> <ul style="list-style-type: none"> • Lighting and heating, ventilation, and air conditioning (HVAC); and • Insulation. <p>Power factor controls would be installed on machinery and less energy intensive process options would be selected.</p> <p>Natural lighting would be maximised where possible in the building.</p> <p>Sensors/timers would be installed on external and internal lighting and separate switches would be provided for lighting different functional zones where appropriate.</p> <p>The building would be fitted with recycled materials where possible, solar hot water, energy efficient rated appliances and artwork of recycled themes.</p>
<p>Soils, Geology & Contamination</p>	<p>Contaminated Material Mitigation Measures</p> <p>The existing SSEMP would be incorporated into the CEMP where relevant.</p> <p>An industrial hygienist would be involved in the development of an asbestos management plan for the construction works and would be onsite at all times during the exposure of the capping layer.</p> <p>The WorkCover Authority of NSW (WorkCover) would be notified in writing five days before any licensed asbestos removal work is commenced. Only the licensed asbestos removalist can lodge the notification. The site would need to be classified as friable or non-friable by a suitably qualified occupational hygienist prior to the notification being prepared.</p> <p>Air monitors will be set up around the site prior to exposure of the cap.</p> <p>Personnel to understand and be briefed on Materials Safety Data Sheet (MSDS) for Cr (VI) during safety briefing.</p>

Environmental Issue	Mitigation Measures
	Wash facilities to be available immediately outside contaminated zone to wash splashes from skin. Contaminated clothes and shoes are not to be worn outside of the contaminated zone and should be cleaned daily.
	Staff would be briefed on site contamination, risks and management measures prior to work commencing. This briefing would outline the difference between inhalation and other pathways where contact with contaminants is possible (e.g. ingestion, dermal absorption).
	All equipment would be decontaminated once excavations have been completed.
	Surfaces would be wetted downs during excavation activities to control dust production.
	Personnel would wear appropriate personal protective equipment whilst on site at all times during construction, including disposable dust masks and disposable coveralls during disturbance of the capping layer.
	A Health and Safety Plan and risk assessment would be developed and implemented prior to construction commencing.
	Contaminated Groundwater Interception & Dewatering Mitigation Measures
	During the excavation phase of construction shallow groundwater may be encountered. Steps to minimise groundwater interception and dewatering will be taken into account during the detailed design, construction phase and post construction site management and may include:
	<p>Prior to construction, materials handling plans will be prepared based upon the selected design. Materials handling procedures could include:</p> <ul style="list-style-type: none"> • minimisation of the area of excavation and immediate backfilling • minimisation of groundwater drawdown • off-site disposal of surplus groundwater • neutralisation of excavated acid sulphate soils, or • off-site disposal of surplus excavated soil.
	During construction, if dewatering is required onsite, consultation will be undertaken with NOW to further ascertain licensing requirements. All water would be tested for contamination prior to disposal at an appropriate licensed waste facility, if required.
	General Construction Mitigation Measures
	Excavations onsite are to be kept to a minimum.
	Any excavated material would be placed in stockpiles on an impermeable surface to prevent leaching of contaminated material.
	Stockpiles would be covered with an impermeable covering and bunded to prevent loss of soil.
	Stockpiles containing contaminated material would be signposted as contaminated material.
	A record of all site works including the status of any excavation or stockpiles would be maintained throughout the works in accordance with the existing SSEMP.
	Excavated material will be reused on site where possible. Any excavated material that requires disposal would be subject to waste classification under the EPA Waste Classification Guidelines 2014 and would be disposed of at an appropriate licensed facility.

Environmental Issue	Mitigation Measures
	Disposal of any asbestos material would be undertaken by a licensed asbestos removalist.
	Sedimentation and erosion mitigation measures would be implemented during all construction work that has the potential to cause sedimentation and erosion.
	Permanent or temporary drainage works would be installed early in the construction program to minimise uncontrolled drainage and associated erosion. 'Clean' surface runoff would be diverted around and away from working areas to prevent erosion and 'dirty' runoff would be diverted away from work areas and into sediment control devices.
	The wheels of all vehicles would be cleaned prior to exiting the construction site where excavation occurs to prevent the tracking of mud. Where this is not practical, or excessive soil transfer occurs onto paved areas, street cleaning would be undertaken when necessary.
	Areas of exposed soil would be limited to those areas being actually worked.
	If possible, disturbed areas would be stabilised as soon as possible and in a progressive manner as works are completed.
	Earthworks would not take place during or after heavy rain when doing so is likely to cause soil erosion or soil structural damage. Under such circumstances, earthworks would stop and only recommence after the ground surfaces have sufficiently dried out.
	If any contamination (eg discoloured soil, strong chemical odours, refuse or leachate) is discovered during excavation, works would cease immediately and the nominated Environmental Representative would be notified to instruct the appropriate course of action.
	If any potential acid sulphate soil material is discovered during excavation, works would cease immediately and the nominated Environmental Representative is to be notified to advise of the appropriate course of action.
	An Acid Sulphate Soils Management Plan would be implemented for the duration of the construction.
	If required, salt-resistant building materials would be used in any saline risk areas.
	Post construction, the site specific environmental management plan will be updated to reflect any changed required to the current controls regarding excavation if required.
	Operational Mitigation Measures
	Periodically monitor discharges, especially dry weather discharges, from the storm drain system and periodically video survey the system to detect potential damage and leakage. Establish a maintenance program as necessary to maintain the integrity of these drains.
	Erosion and sedimentation control measures would be implemented as required during maintenance activities.
	The diesel fuel tank and refuelling area would be appropriately bunded. All refuelling would take place within this area.
	A spill management plan would be developed for operation of the site. A spill kit would be provided onsite at all times. A refuelling procedure would also be developed and implemented for all refuelling activities undertaken

Environmental Issue	Mitigation Measures
Hydrology	Groundwater & Salinity
	Removal of any water using a vacuum truck or similar, where necessary the water would then be classified, tracked and disposed of at an appropriate licensed facility
	Given the contaminated nature of the groundwater at the site, mitigation measures outlined for contaminated groundwater interception and dewatering would be implemented.
	Stormwater
	Refuelling, fuel decanting and vehicle maintenance work would take place within a designated bunded area adjacent to the fuel tank. If re-fuelling is necessary, it would be undertaken away from the River with spill response kits immediately available.
	A functioning 'spill kit' would be kept on site at all times for immediate clean up of accidental chemical/fuel spills. Any contaminated spill rags would be disposed of at an approved waste facility.
	Flooding
	Driveways and carparks would remain at existing levels (i.e. below the 100 year ARI level) with the exception of the site entry. At the Site entry, vehicular traffic will be required to drive over a "berm" which will be constructed to a top level of RL 3.76m AHD. In the 100 year ARI water will spill over the "berm" into the Site. The maximum depth on the top of the berm in the 100 year ARI is 0.06m.
	The kerb adjacent to Parramatta River would provide 500mm freeboard on the 100 year ARI flood event level to allow for uncertainty related to climate change or wave action.
	The minimum finished floor level (FFL) would be at RL 4.13 m, which is 500 mm above the 1 in 100 year flood level of RL 3.63 m AHD.
	The development would be constructed on imported fill that will ensure all FFLs are located 0.5m above the 100 year ARI. All fences will be flood compatible. All building and drainage components will be suitably designed to be structurally sound for all flood events.
	During a flood event greater than 1 in 100 year ARI, all on-site vehicles will be directed to move into the building, which will be constructed at a level above the 1 in 100 year ARI.
	Reliable access and safe access will be available for pedestrians on the site to a level above the PMF level, with the FFL of the second floor to be a minimum of 7.0 AHD.
	The Flood Emergency Response Plan will be updated prior to the operational phase of the facility.
	No storage of materials would be below the 100 year ARI flood level.
	Water Balance and Wastewater
	Rainwater tanks would be installed and the water used for any process water as well as garden maintenance, toilet flushing, grey water, fire, deluge system, dust suppression.
Leachate tanks would be installed to capture any cleaning or dust suppression water that has come into contact with the waste.	

Environmental Issue	Mitigation Measures
	<p>Water saving devices will be installed where appropriate.</p> <p>All chemicals stored on site would be recorded on a register. The relevant Material Safety Data Sheets would also be kept on site.</p>
<p>Traffic & Transportation</p>	<p>Construction Mitigation Measures</p> <p>A detailed construction traffic management plan will be prepared as part of the detailed plan in the CEMP.</p> <p>The requirements of the Roads Act 1993 will be followed at all times prior to and during all works (i.e. notice requirements, consultation and consent/concurrence requirements for works in, or closures of, public and classified roads).</p> <p>Work vehicles will not obstruct roadways or private driveways and will stay on formed roads or designated lay down areas.</p> <p>Private worker vehicles would be parked on the site and not on Grand Avenue.</p> <p>Operational Mitigation Measures</p> <p>Access and internal traffic arrangements will be designed to accord with the relevant Australian Standards.</p> <p>The provision of up to ten bicycle spaces for staff and visitors will be included into the detailed design of the site. The bicycle parking spaces will accordingly be designed in accordance with AS2890.3:1993.</p>
<p>Visual Amenity</p>	<p>Construction Mitigation Measures</p> <p>All vegetation clearing would be limited to only that which is necessary to undertake the works at the southern end of the site only.</p> <p>All work equipment and materials would be contained within the designated boundaries of the work site or works compound area(s).</p> <p>Accurate public information signs would be displayed while work is in progress and until site restoration has been completed.</p> <p>The spread of stockpiles, waste, and vehicle parking would be minimised during construction.</p> <p>Operational Mitigation Measures</p> <p>A landscaping plan would be developed as part of the detailed design of the Proposal. All landscaping would ensure that an effective cap is maintained below any vegetation. Vegetation will consist of shallow rooted native trees and grasses.</p> <p>The walls and roof of the new building are to be painted dark green in line with the foreshore vegetation and the existing tanker building. This would help to reduce the visual impact of the building when viewed from the north side of the river.</p> <p>Highly reflective building surfaces, bright colours and unpainted metal would be avoided.</p> <p>All signs for the CRC would be located on Grand Ave. Signs would comply with relevant standards and be consistent in style. No signage is to be displayed on the foreshore side of the site so that it is visible from the river.</p> <p>Where required, external light fittings and fixtures would be selected and installed in a manner which directs lighting downwards and minimises impacts upon nearby residents, fauna or other adjacent land users</p>

Environmental Issue	Mitigation Measures
Socio-Economic Environment	Construction Mitigation Measures
	Work hours would be limited to the following: <ul style="list-style-type: none"> • 7am to 6pm, Monday to Friday • 8am to 1pm, Saturday • No work on Sundays and public holidays
	The Community Engagement Plan would be implemented and built upon during construction, including the communication channels of a dedicated phone line, email address and section on Veolia's website regarding the Proposal.
	Consultation would be maintained with key government and community stakeholders prior to work commencing, and throughout construction as necessary.
	Neighbouring landholders would be kept informed of the Proposal, the construction hours and duration of works. They will be supplied with a contact name and number for any queries relating to the works.
	Operational Mitigation Measures
	Education Centre would be made available to any interested community groups for tours and education programs.
	Viewing platforms, windows and see through walls from the education centre will be installed to enable tours of the facility to assist in informing interested parties of the processes involved in recovering resources at the site.
Sustainable design initiatives, such as a green fit out and sponsored materials for the education centre would be featured in any site education programs.	
Terrestrial & Aquatic Flora & Fauna	Construction Mitigation Measures
	Prior to construction works commencing staff would be inducted on the potential for the Green and Golden Bell Frog and the Grey Headed Flying Fox. To assist with species identification, photos of these species would be shown in this induction and included within the CEMP. If any threatened species (flora or fauna) are discovered during the works, all work would stop immediately and the nominated Environmental Representative would be notified. Work would only recommence once the impact on the species has been assessed and appropriate control measures have been implemented.
	The spreading of exotic vegetation would be controlled by using local topsoil in any site landscaping, where possible, and implemented weed management (for example by physically removing weeds by hand).
	If any damage occurs to vegetation outside of the nominated work area (as shown in the CEMP), the nominated Environmental Representative would be notified so that appropriate remediation strategies can be developed and implemented.
	Weed removal would be undertaken using mechanical and manual means; herbicides shall only be used as a last resort.
	All weeds, weed propagules and other plant parts that are likely to regenerate would be bagged, removed from site and disposed of at a council approved/licensed waste disposal facility.
	All contractors undertaking weed removal or control would be trained or experienced in weed identification and removal (as per the Pesticide Act

Environmental Issue	Mitigation Measures
	<p>1999).</p> <p>Any non-target species removed/killed as a result of weed control activities would be replaced.</p> <p>All vegetation damaged by works would be appropriately remediated with native vegetation.</p> <p>All plants used in landscaping would be shallow rooted native and indigenous to the region and in accordance with a landscaping plan which will be developed as part of the CEMP.</p> <p>Operational Mitigation Measures</p> <p>No additional operational mitigation measures are proposed.</p>
Human Health	<p>Construction Mitigation Measures</p> <p>A safety management plan would be implemented prior to construction.</p> <p>Operational Mitigation Measures</p> <p>Manual sorting requirements would be minimised where possible, and limited to light weight material.</p> <p>Appropriate Personnel Protective Equipment would be worn at all times where necessary.</p> <p>Sorting would be conducted in air conditioned cabins.</p> <p>Conveyors would be sized appropriately to minimise overloading.</p> <p>Safety would be considered during detailed design of the CRC, to include elements such as controls to effectively separate machinery from people, provide good lines of sight on picking lines, consideration of distances required to reach or twist to pick material.</p> <p>Safety controls would form part of the Operational Environmental Management Plan (OEMP)</p>
Non-Indigenous Heritage	<p>The following mitigation measures have been recommended to reduce or minimise impacts if items of heritage significance are encountered:</p> <ul style="list-style-type: none"> • If an item (or suspected item) of non-Indigenous heritage is discovered during the works, all work in that area will cease and the nominated Environmental Representative will be contacted as soon as possible to determine the subsequent course of action. • An exclusion zone is to be formed along the existing northern fence line of the site to prevent access into the wetland area. <p>All contractors would be made aware of the heritage significance of the wetland area and the former tram alignment. These items will be included in the CEMP and environmental site inductions.</p>
Indigenous Heritage	<p>The following mitigation measures have been recommended to reduce or minimise impacts if items of heritage significance are encountered:</p> <ul style="list-style-type: none"> • If an item (or suspected item) of Indigenous heritage is discovered during the works, all work in that area will cease and the nominated Environmental Representative will be contacted as soon as possible to determine the subsequent course of action. <p>If during execution of the Proposal any items that are indicative of past human activity of considerable age are discovered, works are to be discontinued until the significance of the items is established. If the items are of Aboriginal origin (e.g. artefacts such as stone tool, worked bone and animal bones), the OEH is to be notified.</p>