

Project Approval

Section 75J of the *Environmental Planning and Assessment Act 1979*

I approve the application referred to in Schedule 1, subject to the conditions in Schedules 2 to 7.

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 Project.



The Hon Anthony Kelly MLC
Minister for Planning

2 8 APR 2010

Sydney

2010

SCHEDULE 1

Application No:

09_0025

Proponent:

Orange City Council

Approval Authority:

Minister for Planning

Land:

Euchareena Rd site: Lot 10 DP 1034198

Ophir Rd site: Lots 22 and 23 DP 229513;
Lots 2, 3, 4, 5, 7 and 8
DP221529; Lots 102 and 103
DP111653; and
Part Lot 61 DP 790515

Project:

Orange Waste Project

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SCHEDULE 2 DEFINITIONS

AFB	American Foulbrood Disease
Animal Waste	As defined in the <i>Waste Classification Guidelines</i> (DECCW)
BCA	Building Code of Australia
Bee Keeping Equipment	Any fitting, utensil, apparatus or implement that is used or has been used for the purposes of, or in connection with beekeeping, or in processing, handling or storing apiary products which include but are not limited to beeswax, honey, cut comb honey, comb sections, honey dew, bee collected pollen, propolis or royal jelly, or any other substance considered to be an apiary product including slum gum
Biosolids	As defined in Schedule 1 of the POEO Act
Construction	The demolition of buildings or works, carrying out of works and erection of buildings and other infrastructure covered by this approval
Council	Cabonne Council
Day	The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays
DECCW	Department of Environment, Climate Change and Water
Department	Department of Planning
DII	Department of Industry and Investment NSW
Director-General	Director-General of the Department (or delegate)
EA	Environmental assessment titled Orange Resource Recovery and Waste Management Project Environmental assessment dated September 2009 and the associated response to submissions, dated 27 January 2010.
EPA	Environment Protection Authority of DECCW
EP&A Act	Environmental Planning & Assessment Act 1979
EP&A Regulation	Environmental Planning & Assessment Regulation 2000
EPL	Environmental Protection Licence
Evening	The period from 6pm to 10pm
Feasible	Feasible relates to engineering considerations and what is practical to build
General Solid Waste (Putrescible)	As defined in the <i>Waste Classification Guidelines</i> (DECCW)
General Solid Waste (Non-Putrescible)	As defined in the <i>Waste Classification Guidelines</i> (DECCW)
Heavy Vehicle	Any vehicle with a gross vehicle mass of 5 tonnes or more
Incident	An incident causing or threatening material harm to the environment, and/or an exceedance of the limits or performance criteria in this approval
Land	In general, the definition of land is consistent with the definition in the EP&A Act.
LEMP	Landfill Environmental Management Plan
LGA	Local government area
Material harm to the environment	Harm to the environment is material if it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial
Minister	Minister for Planning
Mitigation	Activities associated with reducing the impacts of the Project
Mixed residual waste	Waste that has been through a preliminary screening process, and includes a general solid waste (putrescible) component
Night	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
NOW	NSW Office of Water
Operations	When referring to the Euchareena Road site, operations are triggered by the receipt of waste on site; and when referring to the Ophir Road site, operations are triggered by the commissioning of the food and organic waste shredder or the baling plant
POEO Act	Protection of the Environment Operations Act 1997
Privately-owned Land	Land not owned by the Proponent or where a private agreement does not exist between the Proponent and the land owner
Project	The development described in the EA
Proponent	Orange City Council, or its successor
Reasonable	Reasonable relates to the application of judgment in arriving at a decision, taking into account: mitigation benefits, costs of mitigation versus benefits provided, community views, and the nature and extent of potential improvements.

Rehabilitation	The treatment or management of land disturbed by the project for the purpose of establishing a safe, stable and non-polluting environment
RTA	Roads and Traffic Authority
Site	When referring to the Euchareena Rd site means the Lot in the Deposited Plan referred to as such in Schedule 1; and when referring to the Ophir Rd Site means the Lots in the Deposited Plans referred to as such in Schedule 1
Special Waste	As defined in the <i>Waste Classification Guidelines</i> (DECCW)
Statement of Commitments	The Proponent's Statement of Commitments in Appendix 1

SCHEDULE 3 ADMINISTRATIVE CONDITIONS

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

1. The Proponent 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 Project.

TERMS OF APPROVAL

2. The Proponent shall carry out the Project generally in accordance with the:
 - (a) EA;
 - (b) statement of commitments (see Appendix 1);
 - (c) site layout plans and drawings in the EA, except that the green and food waste shredding operations shall be relocated from the Euchareena Rd site to the Ophir Rd site (as shown in Appendix 2); and
 - (d) conditions of this approval.
3. If there is any inconsistency between the above, the conditions of this approval shall prevail to the extent of any inconsistency.
4. The Proponent shall comply with any reasonable requirement/s of the Director-General arising from the Department's assessment of:
 - a) any reports, plans, strategies, programs or correspondence that are submitted in accordance with this approval; and
 - b) the implementation of any actions or measures contained in these reports, plans, strategies, programs or correspondence.

STRUCTURAL ADEQUACY

5. The Proponent 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 BCA.

Notes:

- *Under Part 4A of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works.*
- *Part 8 of the EP&A Regulation sets out the requirements for the certification of the Project.*

DEMOLITION

6. The Proponent 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.

OPERATION OF PLANT AND EQUIPMENT

7. The Proponent shall ensure that all plant and equipment used for the Project is:
 - a) maintained in a proper and efficient condition; and
 - b) operated in a proper and efficient manner.

STAGED SUBMISSION OF PLANS OR PROGRAMS

8. With the approval of the Director-General, the Proponent may submit any plan or program required by this approval on a progressive basis.
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SCHEDULE 4
SPECIFIC ENVIRONMENTAL CONDITIONS - OPHIR ROAD SITE

WASTE

Restrictions on Receipt, Storage & Handling of Waste

1. The Proponent shall only receive waste on site that is authorised for receipt by an EPL.

Restrictions of Waste Being Sent to Euchareena Road

2. The Proponent shall:
 - a) bale all general solid waste (putrescible) and mixed residual waste destined for disposal at the Euchareena Road site;
 - b) wrap all baled waste destined for disposal at the Euchareena Road site in plastic at all times;
 - c) blend all food and organic waste destined for processing in the composting operations at the Euchareena Road site before dispatching it from the site; and
 - d) put in place suitable procedures to avoid sending bee keeping equipment, honey production waste, or any other wastes identified in the approved Apiculture Risk Management Plan (see condition 17 of schedule 5) to the Euchareena Road site.

Resource Recovery

3. The Proponent shall implement all reasonable and feasible measures to recover resources from the waste stream on the Ophir Road site to the satisfaction of the Director-General. These measures shall include a specific program to increase the separation of food wastes from the commercial and industrial waste stream from the inception of the Project.

Monitoring

4. The Proponent shall prepare and implement a Waste and Resource Recovery Monitoring Program for the site to the satisfaction of the Director-General. This program must:
 - a) be prepared in consultation with DECCW, and submitted to the Director-General for approval prior to the commencement of the Project's operations on site; and
 - b) monitor:
 - the quantity, type and source of waste received on site;
 - the quantity and type of waste sent to the Euchareena Rd site; and
 - the effectiveness of the resource recovery measures (see condition 3 above).

SOIL & WATER

Discharge Limits

5. The Proponent shall comply with Section 120 of the POEO Act.

Leachate

6. The Proponent shall collect all leachate generated by the Project, and transfer it to the Orange Sewage Treatment Plant for treatment.

Stormwater

7. The Proponent shall collect all the runoff from the development associated with the project on site in the existing surface water management system on site.

Bunding

8. The Proponent shall store all chemicals, fuels and oils used on site in appropriately banded areas, with impervious flooring and sufficient capacity to contain 110% of the largest container stored within the bund, unless double-skinned tanks are used. These bunds shall be designed and installed in accordance with the requirements of all relevant Australian Standards, and/or DECCW's *Storing and Handling Liquids: Environmental Protection* manual.

Erosion and Sediment Control

9. During the construction of the Project, the Proponent shall implement suitable erosion and sediment control measures on site, in accordance with the relevant requirements in the latest version of the *Managing Urban Stormwater: Soils and Construction* guideline.

ODOUR

10. The Proponent shall not cause or permit the emission of offensive odours from the site, as defined under Section 129 of the POEO Act.

AIR

11. The Proponent shall implement all reasonable and feasible measures on the site to minimise the dust generated by the project.

NOISE

12. The Proponent shall ensure that the noise generated by all the development on the site – that is the construction and operation of the project and the ongoing waste operations at the existing waste facility - complies with the noise limits in the EPL for the site.

TRANSPORT

13. The Proponent shall ensure that the internal roads and parking associated with the project are constructed and maintained in accordance with the latest versions of AS 2890.1 and AS 2890.2.

VISUAL AMENITY

Lighting

14. The Proponent shall ensure that the lighting associated with the project:
 - a) complies with the latest version of AS 4282(INT) - *Control of Obtrusive Effects of Outdoor Lighting*; and
 - b) is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.

Landscaping

15. Prior to operations commencing for the project, the Proponent shall landscape the areas around the new buildings that are to be developed on the site for the project to the satisfaction of the Director-General.
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SCHEDULE 5
SPECIFIC ENVIRONMENTAL CONDITIONS - EUCHAREENA ROAD SITE

WASTE

Restrictions on the Receipt, Storage, Handling & Disposal of Waste

1. The Proponent shall only receive, store, handle or dispose of the following waste on site:
 - (a) general solid waste (putrescible);
 - (b) general solid waste (non-putrescible);
 - (c) biosolids for the composting operations on site; and
 - (b) special waste that is authorised for receipt on site under an EPL.
2. Notwithstanding condition 1 above, the Proponent shall implement all reasonable and feasible measures to avoid the receipt of beekeeping equipment, honey production waste, any other wastes identified in the approved Apiculture Risk Management Plan (see condition 17 of this schedule) on site.
3. The Proponent shall ensure that all general solid waste (putrescible) and mixed residual waste is appropriately baled and wrapped in plastic, apart from the following waste:
 - (a) animal waste; and
 - (b) food and organic waste for the composting operation on site.

Note: To avoid any doubt, general solid waste (non-putrescible) is not required to be baled and wrapped in plastic.

Restrictions on the Outputs of the Composting Facility

4. With the exception of outputs that are approved for use under the POEO Act (and associated Regulations), the Proponent shall dispose of all outputs from the composting facility on site to the landfill on site.

Monitoring

5. The Proponent shall prepare and implement a Waste and Resource Recovery Monitoring Program for the site to the satisfaction of the Director-General. This program must:
 - (a) be prepared in consultation with DECCW, and submitted to the Director-General for approval prior to the commencement of the Project's operations on site; and
 - (b) monitor:
 - the quantity, type and source of waste received on site; and
 - the outputs produced by the composting facility that are exported from the site.

Leachate Management

6. The Proponent shall:
 - (a) install a leachate barrier system on any surface to be used for the direct impoundment of leachate;
 - (b) ensure that this leachate barrier system has:
 - a re-compacted clay or modified soil layer of at least 90 centimetres thick with an in situ coefficient of permeability of less than 1×10^{-9} m/s; and
 - a longitudinal gradient design of at least 1% and a transverse gradient design of 3%;
 - (c) collect and store all leachate generated by the landfill within the landfill itself, until it is transferred to the Orange Sewage Treatment Plant for treatment;
 - (d) collect all leachate generated by the composting facility in a suitable storage system, and either reuse in the facility or transfer it to the Orange Sewage Treatment Plant for treatment;
 - (e) design and operate the leachate storage systems referred to in (c) and (d) above to prevent leachate from escaping to surface water, groundwater or the surrounding subsoils;
 - (f) direct all surface water from areas not subject to waste disposal or leachate disposal away from the leachate management system; and
 - (g) treat all water that has entered areas filled with waste, or been contaminated by leachate, as leachate.

Landfill Operations

7. Unless the Director-General agrees otherwise, the Proponent shall:
 - (a) minimise the exposed or cleared areas at the landfill;
 - (b) progressively revegetate all completed areas of the landfill and stabilise any exposed areas that are not required for operational purposes for a period greater than 90 days;
 - (c) minimise the tracking of mud and waste from the site on public roads;

- (d) fill the landfill cells in a systematic manner;
- (e) maximise landfill compaction rates;
- (f) cover the active landfill area with at least 0.15 metres of soil (or a suitable alternative material) at the end of daily waste disposal and compaction activities;
- (g) progressively cap the landfill cells with the approved capping layer, which shall comprise (from top to bottom):
 - 0.15m of topsoil;
 - a 0.85m thick layer of uncompacted soil, obtained on site;
 - a sealing layer, comprising a compacted clay layer at least 0.5m thick and having a permeability less than $k = 10^{-8} \text{ ms}^{-1}$ (or an approved alternative such as a geomembrane); and
 - a seal bearing layer, comprising a 0.3m thick layer of compacted clay soil; and
- (h) revegetate the covered landfill cells following the capping of each cell and once they reach their final design height.

Composting Operations

- 8. Unless the Director-General agrees otherwise, the Proponent shall ensure that the:
 - (a) biosolids and food and organic waste received on site is either loaded directly into the composting tunnels upon arrival, or covered at all times until it is loaded into the tunnels; and
 - (b) windrow composting operations are managed in accordance with:
 - AS 4454-2003: Composts, Soil Conditioners and Mulches (Appendix N) or the latest version of this standard; or
 - protective measures set out in the *Composting & Related Organics Processing Facilities* guideline.

Greenhouse Gas

- 9. The Proponent shall implement all reasonable and feasible measures to minimise:
 - (a) energy use on site; and
 - (b) the greenhouse gas emissions produced on site, to the satisfaction of the Director-General.
- 10. The Proponent shall prepare and implement a Greenhouse Gas Management Plan for operations on site to the satisfaction of the Director-General. This plan must be prepared in consultation with DECCW by a suitably qualified and experienced expert, and be submitted to the Director-General for approval prior to the commencement of operations on site.

Security

- 11. The Proponent shall:
 - (a) install and maintain a perimeter stock fence and security gates on the site; and
 - (b) ensure that the security gates on site are locked whenever the site is unattended.

Litter Control

- 12. The Proponent shall:
 - (a) implement suitable measures to prevent the unnecessary proliferation of litter both on and off site, including the installation and maintenance of a mesh fence of not less than 1.8 metres high around the proposed landfill area; and
 - (b) inspect daily and clear the site (and if necessary, surrounding area) of litter on at least a weekly basis.

Pest, Vermin & Noxious Weed Management

- 13. The Proponent shall:
 - (a) implement suitable measures to manage pests, vermin and declared noxious weeds on 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.

Fire Management

- 14. The Proponent shall:
 - (a) implement suitable measures to minimise the risk of fire on site, including in the landfill area;
 - (b) extinguish any fires on site promptly; and

- (c) maintain adequate fire-fighting capacity on site, including a fire fighting tanker.

Rehabilitation

- 15. The Proponent shall rehabilitate the site to the satisfaction of the Director-General to ensure that it:
 - (a) is consistent with the proposed final landform depicted in the figure in Appendix 5;
 - (b) subject to (a), qualifies as Class 3 agricultural land under the *Agricultural Land Suitability Classification* guideline; and
 - (c) continues to be non-polluting and does not cause environmental harm after the closure of the landfill.

APICULTURE RISKS

- 16. The Proponent shall implement all reasonable and feasible measures to minimise the apiculture risks of the project to the satisfaction of the Director-General.
- 17. The Proponent shall prepare and implement an Apiculture Risk Management Plan for the project to the satisfaction of the Director-General. This plan must:
 - (a) be prepared by a suitably qualified and experienced expert whose appointment has been endorsed by the Director-General;
 - (b) be prepared in consultation with suitable representatives from DII and the local apiculture industry;
 - (c) be submitted to the Director-General for approval prior to the commencement of operations on site;
 - (d) describe the measures to be implemented in association with the project to minimise the apiculture risks of the project;
 - (e) include a program to monitor:
 - the effectiveness of these management measures;
 - the leachate from the landfill and composting operations on site for AFB spores and any other commonly occurring chemicals that may be harmful to bees; and
 - the infection of hives in the surrounding area that could have been caused by the project; and
 - (f) provide for the establishment of a committee, comprised of representatives from both DII and the local apiculture industry and appropriate experts, to oversee the implementation of the plan, and provide advice to the Director-General on any improvements that could be made to the plan.

SOIL & WATER

Soil

- 18. The Proponent shall:
 - (a) minimise any soil loss through erosion on site;
 - (b) set aside any topsoil won on site for the proposed revegetation and rehabilitation of the site; and
 - (c) ensure that any topsoil stockpiles on site are suitably managed to ensure that the topsoil in these stockpiles can be beneficially used in the proposed revegetation and rehabilitation of the site.

Discharge Limits

- 19. Except as may be expressly provided in an EPL for the site, the Proponent shall comply with Section 120 of the POEO Act.

Bunding

- 20. The Proponent shall store all chemicals, fuels and oils used on site in appropriately banded areas, with impervious flooring and sufficient capacity to contain 110% of the largest container stored within the bund, unless double-skinned tanks are used. Any bunds shall be designed and installed in accordance with the requirements of all relevant Australian Standards, and/or DECCW's Environmental Protection Manual *Technical Bulletin Bunding and Spill Management*.

Erosion & Sediment Control

- 21. During the construction, the Proponent shall implement suitable erosion and sediment control measures on site, in accordance with the relevant requirements in the latest version of the *Managing Urban Stormwater: Soils and Construction* guideline.

Management Plan

22. The Proponent shall prepare and implement a Soil & Water Management Plan for the project to the satisfaction of the Director-General. This plan must be prepared in consultation with DECCW and NOW by a suitably qualified and experienced expert whose appointment has been endorsed by the Director-General, and be submitted to the Director-General for approval prior to the commencement of operations on site. In addition to the standard requirements for management plans in Schedule 7 of this approval, this plan must:
- (a) include a water balance for the project; and
 - (b) ensure that suitable measures are implemented to minimise water use, control soil erosion, prevent groundwater contamination, and comply with any surface water discharge limits.

ODOUR

23. The Proponent shall not cause or permit the emission of offensive odours from the site, as defined under Section 129 of the POEO Act.

AIR

Limits

24. The Proponent shall ensure that dust generated by the project does not cause additional exceedances of the criteria listed in Tables 1 to 3 at any residence on, or on more than 25 percent of any privately owned land surrounding the site.

Table 1: Long term impact assessment criteria for particulate matter

Pollutant	Averaging period	Criterion
Total suspended particulate (TSP) matter	Annual	90 µg/m ³
Particulate matter < 10 µm (PM ₁₀)	Annual	30 µg/m ³

Table 2: Short term impact assessment criteria for particulate matter

Pollutant	Averaging period	Criterion
Particulate matter < 10 µm (PM ₁₀)	24 hour	50 µg/m ³

Table 3: Long term impact assessment criteria for deposited dust

Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level
Deposited dust	Annual	2 g/m ² /month	4 g/m ² /month

Note: Deposited dust is assessed as insoluble solids as defined by Standards Australia, 1991, AS/NZS 3580.10.1-2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulates - Deposited Matter - Gravimetric Method.

Monitoring

25. The Proponent shall prepare and implement an Air Quality Monitoring Program for the site to the satisfaction of the Director-General.

NOISE

Limits

26. The Proponent shall ensure that the noise generated by the project does not exceed the limits in Table 4 at any residence on privately owned land surrounding the site.

Table 4: Noise impact assessment criteria dB(A)

Receiver	Day/Evening/Night L _{Aeq} (15 minute)
Residences on privately-owned land (during construction)	40
Residences on privately-owned land (during operations)	35

Notes:

- Noise from the Project is to be measured at the most affected point or within the residential boundary, or at the most affected point within 30 metres of a dwelling (rural situations) where the dwelling is more than 30 metres from the boundary, to determine compliance with the $L_{Aeq(15 \text{ minute})}$ noise limits in the above table. Where it can be demonstrated that direct measurement of noise from the Project is impractical, the DEC may accept alternative means of determining compliance (see Chapter 11 of the NSW Industrial Noise Policy). The modification factors in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable.
- The noise emission limits identified in the above table apply under meteorological conditions of:
 - wind speeds of up to 3 m/s at 10 metres above ground level; or
 - temperature inversion conditions of up to 3°C/100m, and wind speeds of up to 2 m/s at 10 metres above ground level.

Operating Hours

27. The Proponent shall comply with the operating hours in Table 5 for the Euchareena Rd site.

Table 5: Operating Hours

Activity	Day	Hours
Construction	Monday - Friday	7 am – 6 pm
	Saturday	7 am – 1 pm
	Sunday & Public Holidays	Nil
Landfill and Outdoor Composting Operations	Monday - Sunday	7am – 5 pm
	Good Friday & Christmas	Nil
Indoor Composting Operations & Emergency Operations	Monday - Sunday	Anytime

Monitoring

28. The Proponent shall prepare and implement a Noise Monitoring Program for the site to the satisfaction of the Director-General.

METEOROLOGICAL MONITORING

29. During the life of the project, the Proponent shall ensure that there is a suitable meteorological station in the vicinity of the site that complies with the requirements in the latest version of *Approved Methods for Sampling of Air Pollutants in New South Wales* guideline.

CONSERVATION

Aboriginal Heritage

30. During the life of the project, the Proponent shall protect the scarred tree on site and the 2 artefacts found in the south-western corner of the site, in consultation with the Local Aboriginal Land Council, and to the satisfaction of the Director-General.

Note: the scarred tree and artefacts are referred to in Appendix 4 of this approval

Biodiversity

31. The Proponent shall:
- actively manage the areas outside the proposed disturbance areas (shown in broad terms on the map in Appendix 3) for conservation purposes;
 - only use native grasses and other native species from the White Box-Yellow Box-Blakely's Red Gum Woodland endangered ecological community in any revegetation or rehabilitation works;
 - improve the quality of the vegetation in these areas; and
 - increase the amount of White Box-Yellow Box-Blakely's Red Gum Woodland vegetation in the two conservation areas on the site,
- to the satisfaction of the Director-General.

Conservation Management Plan

32. The Proponent shall prepare and implement a Conservation Management Plan for the project to the satisfaction of the Director-General. This plan must be prepared in consultation with DECCW by suitably qualified and experienced expert/s whose appointment has been approved by the Director-General, and be submitted to the Director-General for approval prior to the commencement of construction on site. It must provide for both the protection of Aboriginal heritage values and the enhancement of biodiversity values on the site.

TRANSPORT

33. The Proponent shall:
- (a) construct a sealed road from Euchareena Rd to the entrance to the landfill in general accordance with the figures in Appendix 2; and
 - (b) ensure that the:
 - car parking is constructed in accordance with the relevant requirements of the latest version of AS 2890.1;
 - internal road network is constructed in accordance with the relevant requirements of the latest version of AS 2890.2; and
 - entrance gates are installed a suitable distance from Euchareena Rd so that, at the minimum, a semi-trailer can stand completely clear of the road and stock movement corridor.
34. Unless the Director-General agrees otherwise, the Proponent shall ensure that the operations on site do not generate more than 40 heavy vehicle movements in any one day, and not more than 30 heavy vehicle movements a day when averaged over a 7 day period.

VISUAL AMENITY

Visual Bunds & Landscaping

35. Prior to the construction of the proposed visual bunds on site, the Proponent shall submit detailed plans of the bunds and associated landscaping to the Director-General for approval. Following approval, these plans must be implemented and maintained to the satisfaction of the Director-General.
36. Prior to operations commencing for the project, the Proponent shall landscape the area shaded in blue on the map in Appendix 3 to the satisfaction of the Director-General. This landscaping must use species that are consistent with the existing species in the adjoining conservation area.

Lighting

37. The Proponent shall ensure that all external lighting associated with the Project:
- (a) does not create a nuisance to surrounding properties or roadways; and
 - (b) complies with AS 4282(INT) 1995 – *Control of Obtrusive Effects of Outdoor Lighting*.

Signage

38. The Proponent shall not install any advertising signs on site without the written approval of the Director-General.
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SCHEDULE 6 TRANSPORT

ACCESS ROAD WORKS – EUCHAREENA ROAD SITE

1. Prior to the commencement of construction on the Euchareena Road site, the Proponent shall:
 - (a) construct an AUR/AUL intersection at the site entrance, generally in accordance with the plan in Appendix 6;
 - (b) install warning signs on both approaches to the site entrance; and
 - (c) provide a suitable stock movement corridor along the Euchareena Rd frontage of the site, in consultation with the other users of the corridor, to the satisfaction of Council.

Note: The construction of these works will involve some construction on the Euchareena Road site. To avoid any doubt, this construction work is not prohibited by condition 1 above.

UPGRADE OF EUCHAREENA ROAD

Upgrade Works

2. Prior to the commencement of operations on the Euchareena Road site, the Proponent shall ensure that the recommended measures marked as high and medium priority in the report titled *Euchareena Road Resource recovery Centre – Road User & Operational Assessment*, prepared by Winning Traffic Solutions and dated November 2009, are implemented to the satisfaction of Council.

Road Maintenance Contributions

3. During operations, the Proponent shall pay Council a quarterly contribution of 4 cents per kilometre per tonne of material trucked either to or from the Euchareena Road site along the 5.6 kilometre section of Euchareena Road. The contribution amount shall be adjusted every 3 years from the date of this approval to account for the effects of inflation (Consumer Price Index).
4. With the approval of the Director-General, the Proponent may reduce its road maintenance contributions for the project (see condition 3 above), to ensure there is a fair apportionment between the Proponent and Council for the upgrade works referred to in condition 2 above.

UPGRADE OF WATSON STREET (MITCHELL HIGHWAY) & EUCHAREENA RD INTERSECTION

5. Prior to the commencement of operations on the Euchareena Road site, the Proponent shall upgrade the Watson Street (Mitchell Highway)/Euchareena Road intersection to the satisfaction of both the RTA and the Director-General.
6. The Proponent shall ensure that the development associated with the upgrade of this intersection:
 - (a) does not adversely affect the health or condition of the “Christmas Tree” in the vicinity of the existing intersection or its associated root and branch zone; and
 - (b) has minimal impact on the heritage values of the Railway Station & Yard precinct in the vicinity of the existing intersection.
7. If the upgrade referred to in condition 5 above requires the floodlights under the “Christmas Tree” to be either removed or relocated, then this must be done in consultation with Council, and to the satisfaction of the Director-General.
8. Prior to carrying out the construction of the upgrade referred to in condition 5 above, the Proponent shall prepare an Intersection Upgrade Plan to the satisfaction of both the RTA and the Director-General. This plan must:
 - (a) be prepared by suitably qualified and experienced experts whose appointment has been endorsed by the Director-General, and in consultation with the Heritage Branch and Council;
 - (b) include the detailed plans for the proposed upgrade;
 - (c) include an assessment of the heritage values of the Railway Station & Yard precinct, and the potential effect of the proposed upgrade on these values;
 - (d) include an assessment of the health or condition of the “Christmas Tree”, and the potential effects of the proposed upgrade on the tree;
 - (e) describe the measures to be implemented to ensure compliance with the criteria in condition 6 above, and minimise the construction impacts of the proposed upgrade;
 - (f) include a program to monitor the effectiveness of these measures; and
 - (g) include a contingency plan to deal with any unforeseen impacts.

9. Following approval, the Proponent shall implement the plan referred to in condition 8 above to the satisfaction of the RTA and Director-General.

HEAVY VEHICLE RESTRICTIONS

10. The Proponent shall ensure that:
- (a) all heavy vehicles associated with the project that are either travelling to or from the Euchareena Road site use the designated heavy vehicle route along Euchareena Road;
 - (b) no heavy vehicles associated with the project use Euchareena Road during the regular school bus operations on that road; and
 - (c) the heavy vehicles associated with the project that are carrying loads are suitably covered at all times.

TRANSPORT CODE OF CONDUCT

11. The Proponent shall prepare and implement a Transport Code of Conduct for the project to the satisfaction of the Director-General. This protocol must:
- (a) be prepared in consultation with the RTA, Council and the school bus operators, and be submitted to the Director-General for approval prior to delivery of any waste to the Euchareena Road site; and
 - (b) describe the measures to be implemented to:
 - minimise the impacts of the Project on the local and regional road network, including traffic noise; and
 - ensure no heavy vehicles associated with the Project use Euchareena Rd during regular school bus operations along Euchareena Rd.
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SCHEDULE 7 ENVIRONMENTAL MANAGEMENT, REPORTING & AUDITING

COMMUNITY EDUCATION PROGRAM

1. The Proponent shall prepare and implement a Community Education Program for the project to the satisfaction of the Director-General. This program must be submitted to the Director-General for approval prior to the commencement of operations on the Ophir Road site, and shall at a minimum focus on:
 - (a) promoting the:
 - resource recovery activities provided at the Ophir Rd site;
 - community benefits of composting food and garden waste; and
 - importance of food waste recovery from all waste streams, but particularly the commercial and industrial waste stream; and
 - (b) avoiding the placing of open, uncleaned honey containers in the waste and creating other risks for the apiculture industry in the region.

ENVIRONMENTAL MANAGEMENT

Construction Management Plan

2. The Proponent shall prepare and implement a Construction Management Plan for the development to be carried out on both the Ophir Road and Euchareena Road sites to the satisfaction of the Director-General.

Landfill Environmental Management Plan

3. Prior to the commencement of the project's operations on the Ophir Rd site, the Proponent shall update the existing Landfill Environmental Management Plan for the site to the satisfaction of the Director-General. Following approval, the Proponent shall implement this plan to the satisfaction of the Director-General.
4. The Proponent shall prepare and implement a Landfill Environmental Management Plan for the Euchareena Road site to the satisfaction of the Director-General. This plan must:
 - (a) be submitted to Director-General for approval prior to commencement of operations on the site;
 - (b) be prepared by suitably qualified and experienced experts whose appointment has been endorsed by the Director-General;
 - (c) describe in detail the management measures that would be implemented to address:
 - the relevant matters referred to in the *Environmental Guidelines for Solid Waste Landfills*; and
 - the conditions of this approval;
 - (d) include a copy of:
 - the relevant plans and programs required under this approval;
 - a quality assurance plan for the design and installation of the leachate management system and any capping of the landfill cells that covers the relevant issues outlined in sections 1 – 2 of Appendix A of the the *Environmental Guidelines for Solid Waste Landfills*;
 - (e) describe the procedures that would be implemented to:
 - keep the local community and relevant agencies informed about the operation and environmental performance of the project;
 - receive, handle, respond to, and record complaints;
 - resolve any disputes that may arise during the course of the project; and
 - respond to emergencies; and
 - (f) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project.

Management Plan Requirements

5. The Proponent shall ensure that the management plans required under this approval are prepared in accordance with any relevant guidelines, and include:
 - a) detailed baseline data;
 - b) a description of:
 - the relevant statutory requirements (including any relevant approval, licence or lease conditions);
 - any relevant limits or performance measures/criteria; and
 - the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the Project or any management measures;

- c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;
- d) a program to monitor and report on the:
 - impacts and environmental performance of the Project;
 - effectiveness of any management measures (see c above);
- e) a contingency plan to manage any unpredicted impacts and their consequences;
- f) a program to investigate and implement ways to improve the environmental performance of the Project over time;
- g) a protocol for managing and reporting any:
 - incidents;
 - complaints;
 - non-compliances with statutory requirements; and
 - exceedances of the relevant limits and/or performance measures / criteria; and
- h) a protocol for periodic review of the plan.

Annual Review

- 6. One year after the commencement of operations, and annually thereafter, the Proponent shall review the environmental performance of the project to the satisfaction of the Director-General. This review must:
 - a) describe the operations that were carried out in the past year;
 - b) analyse the monitoring results and complaints records of the Project over the past year, which includes a comparison of these results against the
 - relevant statutory requirements, limits or performance measures/criteria;
 - monitoring results of previous years; and
 - relevant predictions in the EA;
 - 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 Project; and
 - e) describe what measure will be implemented over the next year to improve the environmental performance of the Project.

Revision of Plans & Programs

- 7. Within 3 months of the submission of an:
 - a) audit under condition 10 of schedule 7;
 - b) incident report under condition 8 of schedule 7; and
 - c) annual review under condition 6 of schedule 7,
 the Proponent shall review, and if necessary revise the plans and programs required under this approval to the satisfaction of the Director-General.

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

REPORTING

Incident

- 8. The Proponent shall notify the Director-General and any other relevant agencies of any incident associated with the project as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of the date of the incident, the Proponent shall provide the Director-General and any relevant agencies with a detailed report on the incident.

Regular

- 9. The Proponent shall provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval, and to the satisfaction of the Director-General.

INDEPENDENT ENVIRONMENTAL AUDIT

- 10. Within a year of the commencement of operations of the project, and every 5 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit must:
 - a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Director-General;
 - b) include consultation with the relevant agencies;
 - c) assess the environmental performance of the project and assess whether it is complying with the relevant requirements in this approval and any relevant EPL (including any plan or program required under these approvals);

- d) review the adequacy of any plans or programs required under these approvals; and, if appropriate;
- e) recommend measures or actions to improve the environmental performance of the project, and/or any plan or program required under these approvals.

Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Director-General.

- 11. Within 6 weeks of the completing of this audit, or as otherwise agreed by the Director-General, the Proponent shall submit a copy of the audit report to the Director-General, together with its response to any recommendations contained in the audit report.

ACCESS TO INFORMATION

- 12. From the commencement of the construction of the project, the Proponent shall make the following information publicly available on its website as it is progressively required by the approval:
 - a) a copy of all current statutory approvals;
 - b) a copy of the current plans and programs required under this approval;
 - c) a summary of the monitoring results of the Project, which have been reported in accordance with the various plans and programs approved under the conditions of this approval;
 - d) a complaints register, which is to be updated on a monthly basis;
 - e) a copy of the Annual Reviews (over the last 5 years);
 - f) a copy of any Independent Environmental Audit, and the Proponent's response to the recommendations in any audit; and
 - g) any other matter required by the Director-General.
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APPENDIX 1 PROPOSERS STATEMENT OF COMMITMENTS

Statement of Commitments

Issue	Commitments
Waste management strategy	The Proponent will implement its <i>Resource Recovery and Waste Management Strategy</i>, as described in Section A.3 of the EA. This has the following key elements: ▮ Introduction of a third household mobile garbage bin for collection of domestic garden waste together with kitchen-separated food waste; ▮ Differential landfill gate pricing at a level required to encourage source separation of business recyclable materials and food waste to provide clean streams for further processing; ▮ Increased landfill gate pricing for C&D waste to encourage source separation of recyclable materials and presentation of clean, unmixed streams; ▮ Further development of the current requirement for building applications to include waste management plans, with extension to include recycling plans that are subject to performance review; ▮ Working with NetWaste to continue improvement in event recycling opportunities; ▮ Action to improve the beneficial use of recycling yield from kerbside collected materials and C&I / C&D recyclables; ▮ Processing of food/garden organics at the Euchareena Road RRC using an enclosed tunnel composting technology; ▮ Continued recovery of dry recyclable materials at the Ophir Road RRC at a new MRF to be constructed; ▮ Baling of mixed residual waste at the Ophir Road RRC at a new baling facility to be installed; and ▮ Transport of baled mixed residual waste to the Euchareena Road RRC for disposal in a specially designed landfill.
Environmental management plans	Construction environmental management plans (CEMPs) would be prepared and implemented to guide environmental management and monitoring activities and compliant handling procedures during construction at both sites. The CEMPs would include the following sub-plans: ▮ Noise management plan – The plan would address how noise will be mitigated and managed during construction activities, in accordance with DECCW's Environmental Noise Control Manual; ▮ Flora and fauna management plan – The plan would address how impacts on flora and fauna would be mitigated and managed during the construction phase; ▮ Air and dust management plan – The plan will outline the mitigation measures to control dust from exposed areas, stockpiles, plant equipment and unsealed roads; ▮ Waste management plan – The plan would include disposal requirements, measures to prevent the generation and measures to reduce, re-use or recycle wastes where possible; ▮ Soil and water management plan – The plan would address how potential construction impacts on soil and water quality will be mitigated and managed during construction works; ▮ Traffic management plan – The plan will include truck movements to and from the site, interactions with general public, parking and access requirements for construction personnel and safety signage and training of personnel in traffic management.

Issue	Commitments
	Operational environmental management plans (OEMPs) would be prepared for both sites and implemented to guide environmental management and monitoring activities and complaints handling procedures during operation. The OEMPs would include the following sub-plans: ▶ Stormwater management plans – The plan would include the measures to retain and re-use the maximum amount of water on-site and ensure the surface run-off water is maintained at acceptable levels. The plan would also include erosion and sediment mitigation measures; ▶ Process water management plan (tunnel composting plant) – The plan would include measures to optimise reuse and ensure that wastewater generation and need for disposal is minimised; ▶ Air quality management plan – The plan would include mitigation measures for control of odours, dust and particles and monitoring undertaken. ▶ Noise management plan – The noise management plan will include noise control measures, monitoring. ▶ Pest, vermin and weed control – The plan will outline mitigation measures that will control pest and vermin that may be attracted to the waste facility and minimise the degradation of the local amenity caused by pest, vermin and noxious weeds. ▶ Traffic management plan – The plan will include parking and access requirements, safety signage and training of personnel in traffic management. ▶ Fire management plan – The plan would include details of sources of water for firefighting, the need for fire extinguishers on all mobile equipment and suitable training for site-based personnel.
Revegetation, rehabilitation and post closure management	The Proponent would undertake a program of progressive revegetation in those areas progressively disturbed by the operations and of the area designated for vegetation enhancement to the north of the landfill at the Euchareena Road Site. The Proponent would continue to manage the Euchareena Road Site following closure of the landfill and enclosed tunnel composting facility, in accordance with the documented set of procedures compiled in conjunction with the Site Closure plan. The Proponent would monitor the Euchareena Road Site in accordance with the site's EPL.
Soils and land capability	The Proponent would implement the following measures for the management of soil at the Euchareena Road Site: ▶ Double skin diesel storage tanks would be used to prevent fuel leakages; ▶ Topsoil would be stockpiled and used later for rehabilitation of the final landscape; ▶ Material at depths greater than 0.75 m would be stockpiled for use in bund wall construction, daily cover or landfill capping; ▶ Handling of topsoil would be minimised to reduce potential mechanical damage to soil structure; ▶ Care would be taken to ensure that topsoils and subsoils are not stripped when they are too moist; ▶ Driving of machinery on topsoil and subsoil stockpiles, other than scrapers during unloading, would be kept to a minimum; ▶ Topsoil stockpiles would be up to 1 m high and subsoil stockpiles would not exceed 3 m in height; ▶ Subsoil and topsoil stockpiles would be located within the footprint of the landfill or on the upper surface of completed landfill stages; and ▶ Stabilisation measures would be used until vegetation is established on

Issue	Commitments
	the stockpiled soil.
Surface water	At the Ophir Road RRC, The Proponent would continue to comply with the existing LEMP. Sediment dams would be constructed prevent runoff from the Euchareena Road landfill from reaching water catchments.
Groundwater	The Proponent would ensure the proper compaction of the floor of each landfill cell and the maturation pad to achieve a uniform low permeability equivalent to less than 1×10^{-9} m/s for a depth of at least 0.9 m. The in situ permeability of compacted material would be tested by sampling and laboratory testing to ensure the required permeability level has been achieved. The Proponent would undertake a groundwater monitoring program at the Euchareena Road Site including groundwater level and quality monitoring as per the EPL for the Site.
Flora & fauna	The Proponent would further enhance the two woodland areas with plantings of all species. In addition, the Proponent would plant a rehabilitation corridor to ultimately join the two existing woodland areas and improve nature conservation across the site. The Proponent would encourage natural regeneration by installing tree guards and appropriate fencing of regeneration areas. Diverse native flowering flora would be planted in other regions to increase the biodiversity and availability of nectar for foraging bees. The Proponent would implement weed management measures including: ▶ Regular inspections of the Euchareena Road Site. ▶ Education of staff with respect to weed identification and control. ▶ Continual monitoring and control of identified noxious weeds. ▶ Investigation into the practicality of sowing crops or competitive improved pastures on sections of the Site not required for immediate disturbance as a means of weed control. The Proponent would also establish permanent quadrats / transects across the western and northeastern woodland areas to enable periodic monitoring to record the extent of flora regrowth within the protected woodland remnants. Where species diversity is found to be insufficient from monitoring, supplementary planting programs would be undertaken. Prior to the removal of any isolated paddock tree, a pre-start survey would be carried out to minimise the potential impact on spring nesting birds and over-wintering bats or any other species utilising the tree at the time. Timber from felled trees would be relocated to a position where it can form part of the ground cover habitat in the woodland habitat on site. The areas of Euchareena Road Site that are not directly affected by the proposed activity would be destocked and remain free of grazing by domestic stock until such time when a long term vegetation rehabilitation management plan can be implemented to ensure the recovery of the woodland remnants on the site. The existing remnant woodland areas would be fenced-off, if necessary, in order to allow the woodland remnants on site to regenerate free from uncontrolled stock grazing pressure. Slashing would be used to minimise fire risk. Vegetation screens would be no less than 20 m wide to enhance wildlife habitat corridors around the perimeter of the Euchareena Road Site. A pest control plan would be formulated and adopted that includes, in particular, the control of foxes and feral cats and any other vertebrate pest that may be a problem to the surrounding properties. This pest control plan

Issue	Commitments
	would form part of the overall Environmental Management Plan for the Euchareena Road RRC. Should a vermin-proof fence be constructed around the perimeter of the Euchareena Road Site, a plan to manage the kangaroos confined within this fence would be put in place in order to keep the natural ground cover at an appropriate level. It is noted that at this stage, the construction of this fence is not anticipated. Strict site hygiene controls and an effective control plan would be implemented to manage the potential impact of rodents, such as the Black Rat and House Mouse, exotic predators such as the European Red Fox and Feral Cat and introduced bird species. A Restrictive Covenant would be attached to the Land Title for the Euchareena Road site. This would protect the critically endangered ecological community and the corridor linking the two areas on which the critically endangered community is present. The only way that the Covenant could be removed is for the Consent to be amended. The Covenant would be administered by the NSW Land Titles Office.
Apiary industry	No apiary-related equipment or pesticide/chemical containers would be accepted at the Euchareena Road RRC or the Ophir Road RRC. Council officers supervising the delivery of wastes to the respective transfer stations would be trained to recognise apiary equipment and pesticide/chemical containers. The Proponent would work closely with the Department of Primary Industries (Agriculture) to inform all registered apiarists in the Orange City regional areas regarding the appropriate manner in which to dispose of apiary equipment and pesticide/chemical containers. The Proponent would continue to further promote recycling through education programs facilitated through NetWaste in order to continue to maximise the diversion of glass and plastic honey containers from the waste stream. All operators responsible for the receipt, compaction and covering of waste delivered to the Euchareena Road Site would be fully trained firstly to recognise any apiary equipment and pesticide/chemical containers and secondly to identify the presence of any bees on site. Similar training would also be provided for operational staff within each of the transfer stations operated by Orange City and where participating, the regional councils. Detailed operational procedures would be prepared and implemented at the Euchareena Road Site and transfer stations in the event that any apiary equipment or pesticide/chemical containers are delivered to the receipt areas at either the Euchareena Road Site or transfer stations. Comprehensive training would also be undertaken for all personnel working on the Euchareena Road Site to ensure that the bale placement and covering of wastes within optimum periods is undertaken in accordance with the approved procedures. Delivery of bales would be between 9 am and 5 pm (excluding school bus times) and wrapped bales will be placed in the landfill and covered. Wrapping would not occur when bees are not active, however bales would be secured with straps all year round. Bee-friendly native vegetation would be planted and maintained around the Euchareena Road Site within the various perimeter tree screens to provide a more appropriate alternative nectar source away from the landfilling operation. The species of trees and shrubs would be selected in consultation with the Department of Primary Industries (Agriculture) and local apiarists. A variety of flowering plants would also be planted to increase food source diversity. The Proponent would make arrangement for independent testing of nearby hives in the ownership of local apiarists. Failing that, the Proponent would establish a control, by placing hives at 500 m from the landfill and test for

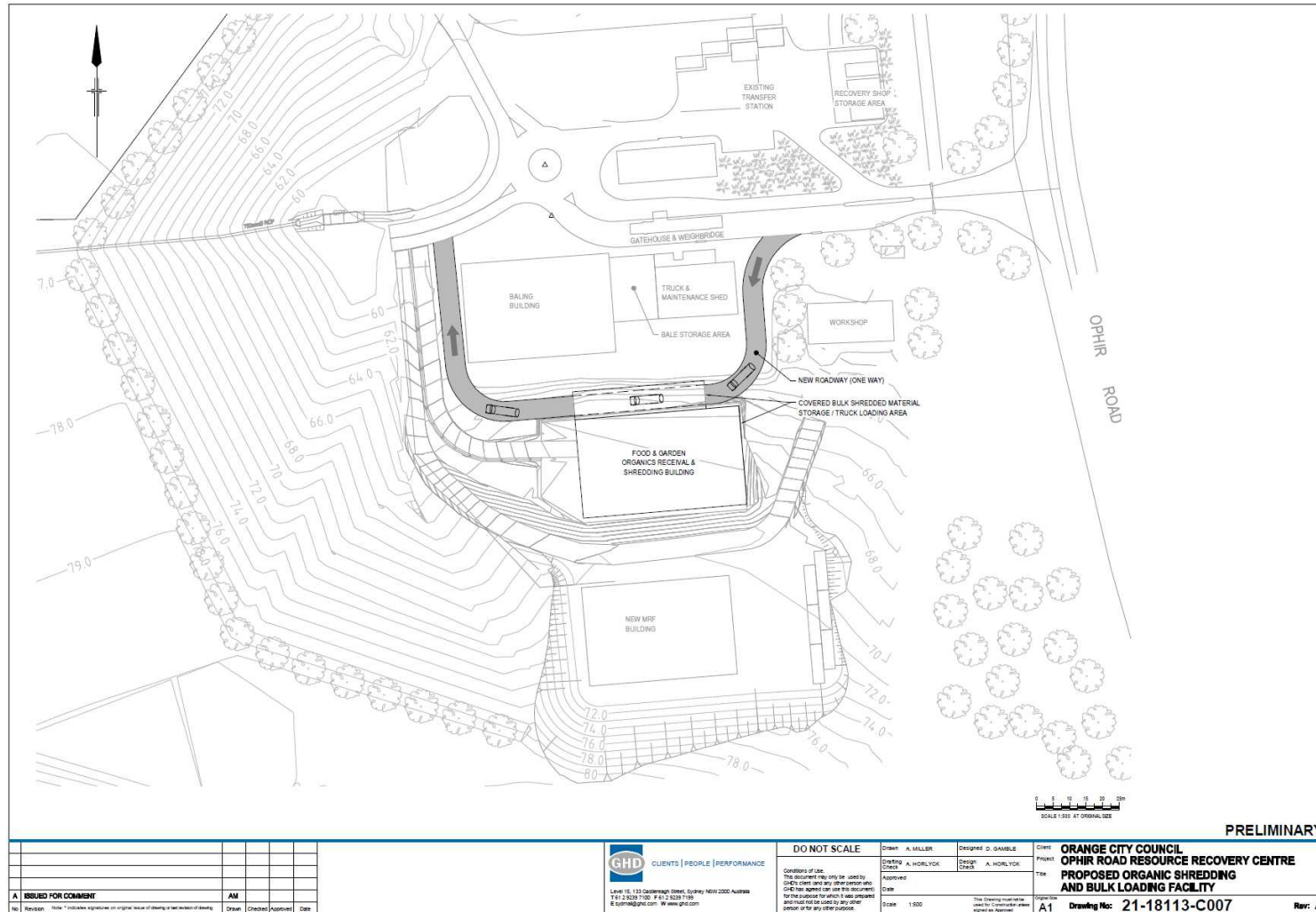
Issue	Commitments
Aboriginal heritage	propolis and AFB during periods that the local hives are active.
	At the Ophir Road Site if during construction, any Aboriginal objects are discovered, work would immediately cease in the area of the discovery and advice would be sought from the Aboriginal Heritage Unit of DECCW.
	For the Euchareena Road Site, The following management controls would be undertaken to minimise the impact on items of Aboriginal heritage significance:
	▶ The woodland remnant containing the scarred tree (Molong ST1) would be retained and existing fencing retained and maintained to ensure no impact to the standing trees, including the scarred tree; ▶ The artefact scatter (Molong OS1) located within the southwestern corner of the Site would be left in its identified location and not salvaged. In order to ensure the continued conservation of both recorded sites, the Proponent would also adopt the following management controls: ▶ The location of site Molong ST1 and Molong OS1 would be recorded on a master plan in the Site Office, where the Site Manager has visual access to it. This plan would note that protected heritage items are present at these locations and that there are to be no impacts in the vicinity of these locations; ▶ The Proponent would appoint a Site Manager to take responsibility for the continued protection of these sites from future impacts as they arise and to ensure that fencing, if it is to be permanent, is appropriately maintained; and ▶ Part of the site induction for all staff and contractors would include a section on Aboriginal heritage. This induction would include brief reference to the legislative framework through which Indigenous heritage is protected, particular reference would be made to the location of the sites as well as providing a more general introduction to cultural heritage.
European heritage	The Proponent would ensure trucks travelling to and from the Euchareena Road Site have covered or enclosed loads to ensure that windblown litter does not affect European heritage items adjacent to the proposed transport route.
Hazards	The Proponent would implement the following mitigation measures at the Ophir Road Site: ▶ Smoking would not be permitted within the new baling building; ▶ Any dangerous goods would be stored in accordance with normal dangerous goods storage procedures; ▶ Safety hazards would be managed through occupational health and safety procedures and through development and implementation of an operations plan for the baling plant; ▶ Residents would not be permitted to deliver waste and recyclables to any area other than the existing waste transfer station, or to bulk drop-off areas (garden organics or separated concrete); ▶ Safety hazards from proposed construction works would be managed through occupational health and safety procedures and through development and implementation of an occupational health and safety plan for these works; ▶ Occupational health and safety procedures such as the use of personal protective equipment such as earmuffs, where noise exposure is

Issue	Commitments
	unavoidable, would be followed during use of noisy equipment; The Proponent would implement the following mitigation measures at the Euchareena Road Site: ▮ There would be two separate facilities on the site – an enclosed tunnel composting plant, and a new landfill. Neither of these facilities would be considered as hazardous. Normal levels of hazard and risk associated with industrial sites and many construction sites would be managed through development and implementation of a site operations plan; ▮ Fires associated with composting would be avoided through plant operators monitor ongoing temperatures within compost that is undergoing maturation and ensuring that it is turned frequently; ▮ The Euchareena Road landfill would be lined, which would prevent off-site migration of this gas, and a gas management system would be designed in the detailed design phase to prevent methane from being discharged to the atmosphere from closed areas of the landfill; ▮ No dangerous goods would be stored on site, apart from small quantities of paints and solvents, used for equipment maintenance, and herbicides used for controlling weeds on site; ▮ All chemicals would be stored within a building in accordance with standard dangerous goods storage practices. Diesel fuel for on-site machinery would be stored in a double skin tank, located near the landfill site; ▮ Occupational health and safety procedures would be followed during use of composting and landfilling plant and equipment; and ▮ Occupational health and safety procedures such as the use of earmuffs would be followed during use of the composting and landfilling equipment.
Air quality and odour	The Proponent would ensure the design and operation of the Project minimises the potential release of odour emissions. The specifications provided to prospective equipment suppliers would dictate the technical and environmental performance the equipment would be expected to meet, based on the Proponent's operational requirements and the conditions of project approval. The Proponent would implement the following mitigation measures for both sites: ▮ Exposed surfaces, including stockpiles unless revegetated or have a stable surface, would be watered. ▮ The area of exposed surfaces would be minimised. ▮ Available areas of disturbance would be rapidly and progressively rehabilitated. ▮ Visual amenity and perimeter bunds (and tree screens in the case of the Euchareena Road Site) would be established and maintained to limit emissions of particulate matter and odour beyond the site boundaries. ▮ The active landfill area would be covered following the completion of waste placement at the end of each day with approximately 150 mm of daily cover material or a landfill tarpaulin. ▮ Odorous waste loads would be attended immediately to limit transfer of odour off-site. ▮ Records of any complaints would be kept with respect to odour, and correlating with weather conditions and deliveries of particularly odorous wastes. ▮ Drop heights of waste placed into the landfill would be minimised. ▮ High dust-generating activities would be avoided during adverse wind

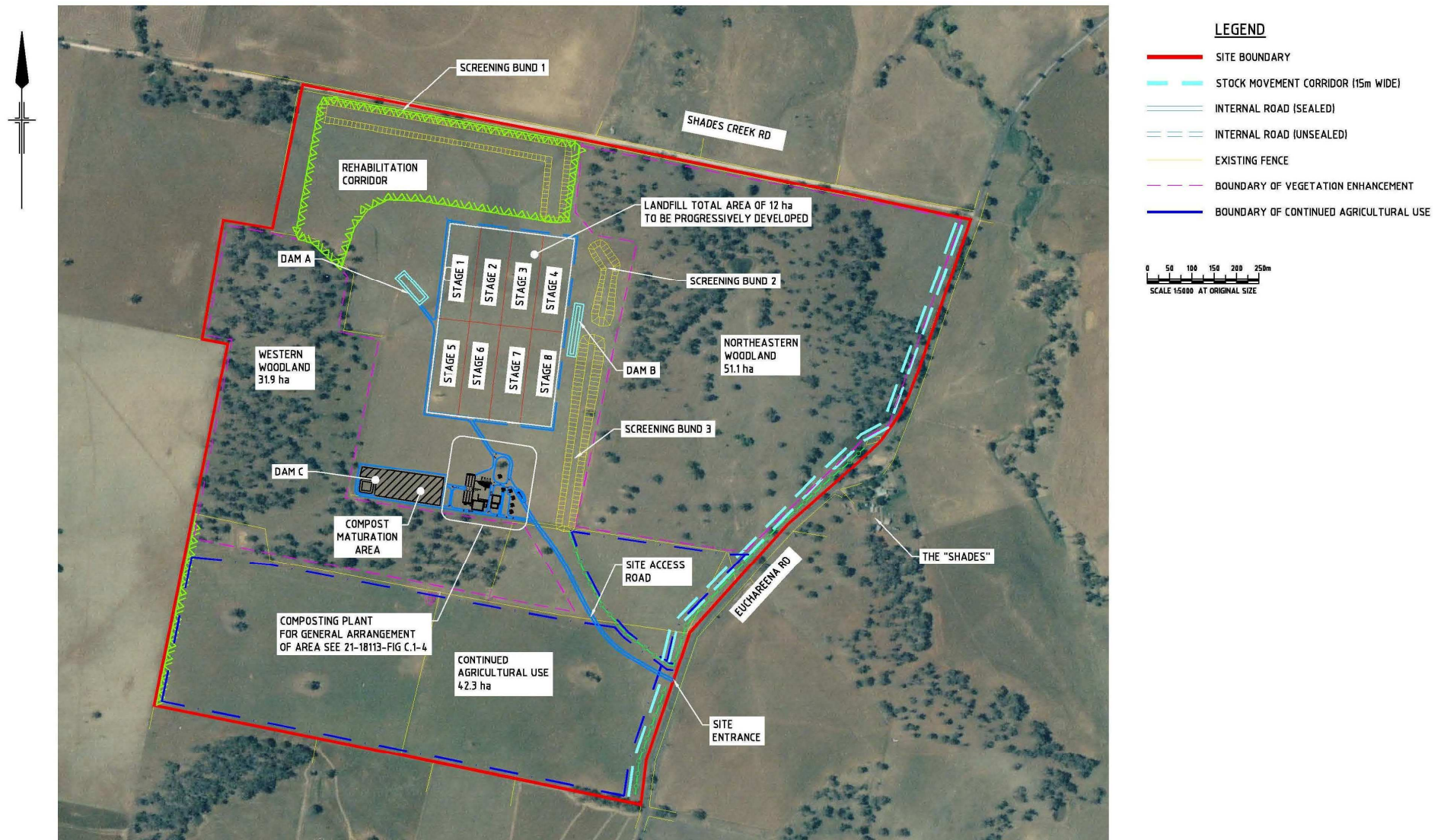
Issue	Commitments
	conditions when blowing directly towards the nearest residences. ▶ An air quality (including dust and odour management) strategy would be incorporated into the Operational Environmental Management Plan as a sub-plan. In addition, at the Euchareena Road Site, there would be regular inspections and maintenance of the biofilter servicing the resource reprocessing facility buildings.
Traffic and transport	The Proponent would implement the following mitigation measures: ▶ Maintenance of the Ophir Road Site access intersection and provision of maintenance of Ophir Road for the duration of the Project operation. ▶ Preparation of construction traffic management plans (as part of the construction environmental management plans) to ensure safe movement of vehicles into and around each of the Sites. ▶ Trucks transferring baled waste or bulky / non-baleable waste from Ophir Road RRC to the Euchareena Road RRC would be scheduled to avoid the school bus pickup and drop-off times on Euchareena Road. That is, they would be scheduled so that they would arrive in Molong no earlier than 9 am and no later than 2.30 pm or after 4.30 pm, if necessary. There would be no deliveries of waste to the Euchareena Road RRC on weekends, except in emergencies. ▶ Minor safety improvements along Euchareena Road in accordance with the recommendations of an independent assessment of road safety requirements commissioned jointly by Cabonne Council and the Proponent. The safety improvements would be implemented prior to the first waste being received at the Euchareena Road RRC. ▶ New box culvert at Back Creek. ▶ Construction of a new Intersection at the site entrance to the Euchareena Road Site as per Figure C.4-23, which is designed in accordance with the NSW RTA AUR/AUL standards. This would be constructed prior to the first waste being received at the Euchareena Road RRC. ▶ Upgrade of the intersection of the Mitchell Highway (Watson Street) and Euchareena Road to meet RTA standards, as per Figure C.4-24 of the EA. This would be upgraded prior to the first waste being received at the Euchareena Road RRC. ▶ Commitment of funds for the ongoing maintenance of the section of Euchareena Road used by trucks travelling to and from the Euchareena Road Site. ▶ Requirement that each driver would sign a Code of Conduct (during their first visit). ▶ Continued provision of a 15 m wide stock movement corridor along the western side of Euchareena Road along the Euchareena Road Site boundary.
Noise	The Project would be designed and operated to ensure that noise criteria are not exceeded. The noise management controls that would be implemented during the operation of the Euchareena Road RRC are detailed as follows. ▶ Construction of the perimeter amenity bunds would provide a noise barrier between a number of surrounding residences and the various operational components on site. ▶ All composting operations (other than maturation) would be undertaken within enclosed buildings. ▶ All construction and operational activities would be undertaken during daytime hours (7 am to 6 pm) with the exception of the composting operation, some components of which need to operate on a continuous

Issue	Commitments
	basis, 24 hours per day, 7 days per week, albeit generating negligible noise levels. ▶ The Proponent would ensure all equipment, particularly waste delivery trucks, are maintained to a high standard to ensure there are no unnecessary noise emissions. Earthmoving equipment used on-site would be fitted with low impact broad band reversing alarms approved by WorkCover.
Visual	The Proponent would implement the following mitigation measures at the Euchareena Road Site: An earth mound, up to 2 m high, would be constructed adjacent to the northern boundary of the Euchareena Road Site for a distance of 600 m along the alignment of Shades Creek Road. The bund would be constructed with gentle external slopes and revegetated to limit the visibility of the bund itself. An eastern amenity bund, up to 4 m high, would be constructed immediately adjacent to the eastern limit of the landfill to provide a visual shield to the periodic construction activities and daily activities on sections of the landfill, particularly when viewed from 'The Shades'. An area of approximately 13.6 ha immediately south of the northern amenity bund would be planted during the first three years of operations. This corridor, as it grows and matures would provide a useful visual screen to shield the landfill from 'Maupas' and 'Meru'. The Proponent would plant some tree screens at strategic locations to limit visibility of the landfill, principally setback from Euchareena Road. The visual character of the other activities on site would also be considered through the following: ▶ All buildings / structures would be clad with materials either coated or painted with a light green hue; ▶ Selective landscaping would be positioned around the office, weighbridge and enclosed composting plant; and The site would be kept clean and tidy at all times.
Socio-economics	The Proponent would undertake consultation with relevant stakeholders including during the construction period. The Proponent would provide a stock movement corridor for north-south access across the Euchareena Road (eastern) side of the Euchareena Road Site to enable local landholders to safely move stock and farm equipment outside the Euchareena Road reserve. Areas not required for project-related activities or their ecological values would continue to be available for agricultural purposes. Approximately 42.3 ha of cleared land would be designated for ongoing agricultural use (Figure c.1-3 of the EA). Compost from the enclosed tunnel composting facility would be made available at no cost for two years to local farmers as a certified compost product. Preference would be given to applications where the objectives is to upgrade the agricultural quality of farming land.
Greenhouse gas	Potential energy efficiency measures would be considered in the detailed design phase of the Project. An appropriate landfill gas management system would also be designed in the detailed design phase, which would be a passive landfill gas drainage and flaring system to help minimise potential greenhouse gas emissions from the landfill.

APPENDIX 2 GENERAL LAYOUT OF THE PROJECT SITES



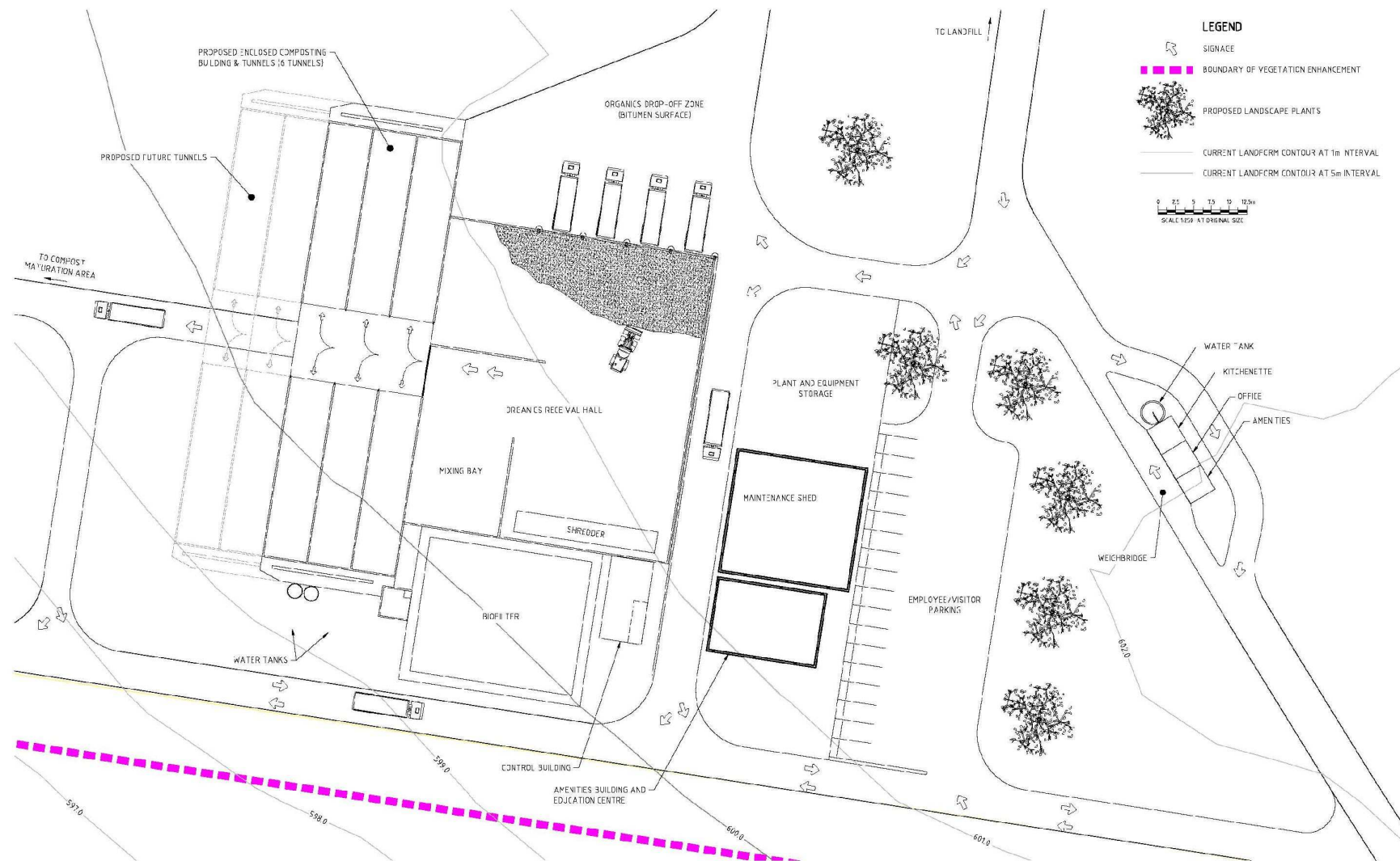
Ophir Rd site layout (with shredding option)



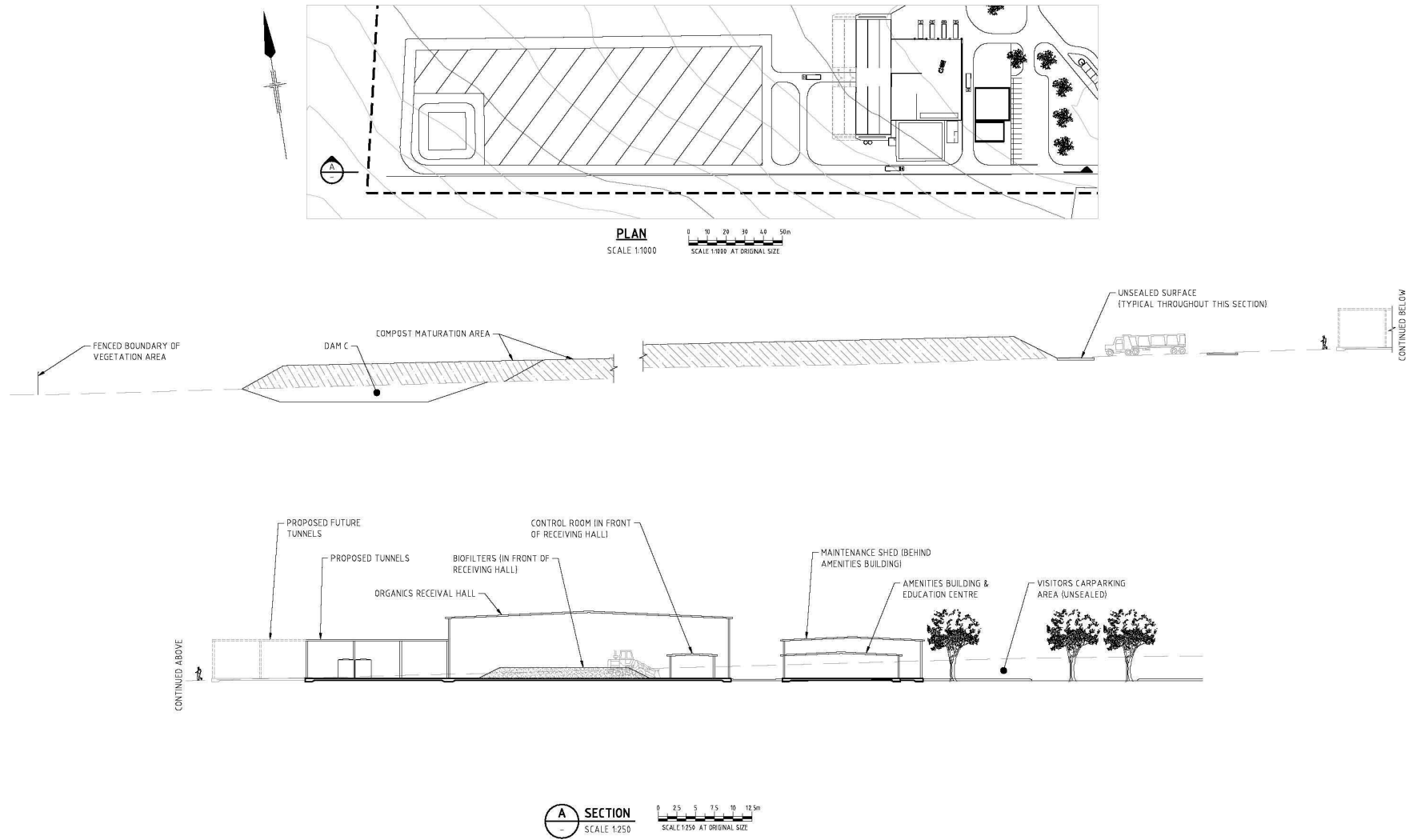
Euchareena Rd site layout



New materials recycling facility at Ophir Rd site

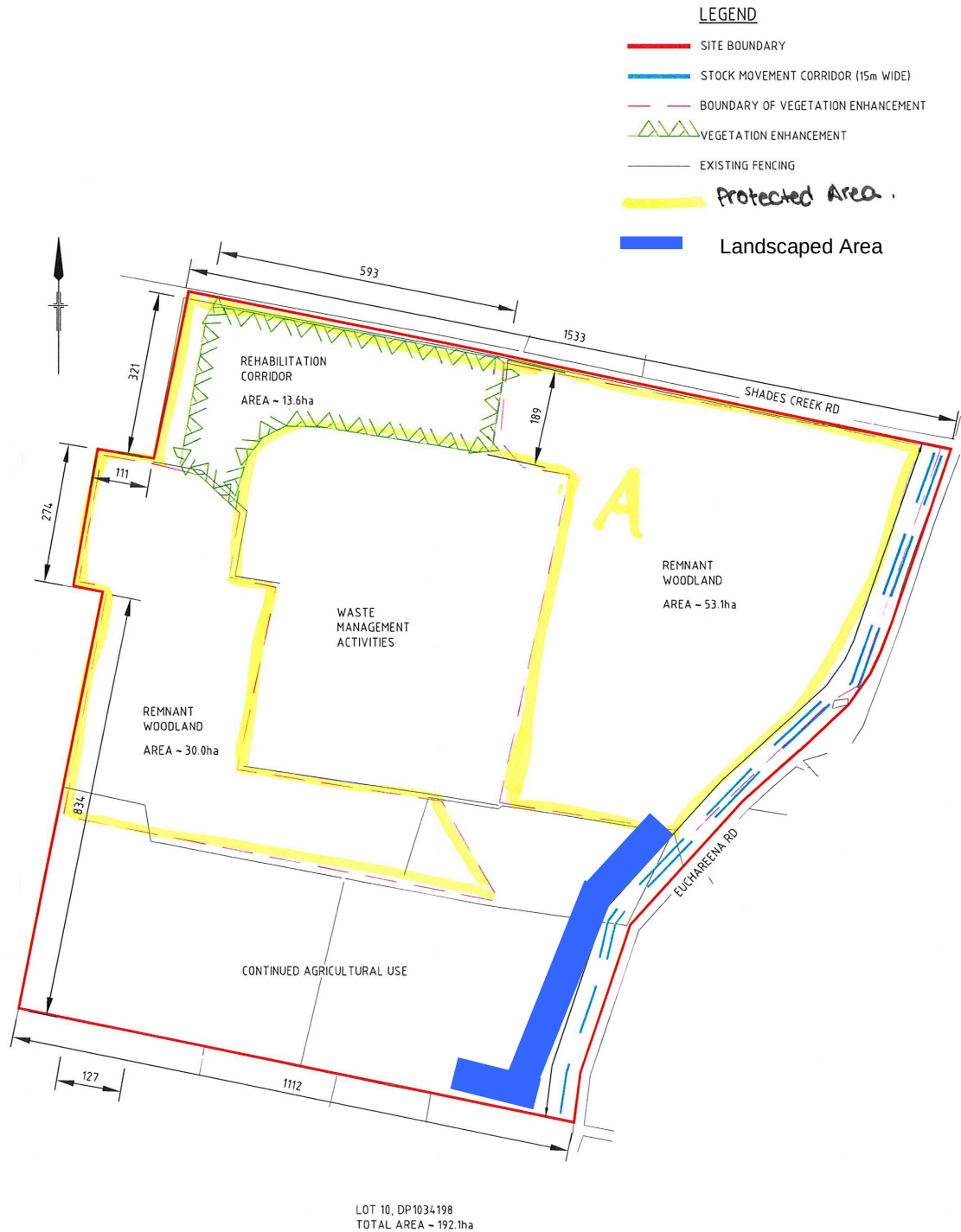


Euchareena Rd enclosed tunnel composting facility (plan)



Euchareena Rd enclosed tunnel composting plant (elevations)

APPENDIX 3 **CONSERVATION & REHABILITATION AREAS – EUCHAREENA RD**



0 100 200 300m
SCALE 1:10,000 AT ORIGINAL SIZE



CLIENTS | PEOPLE | PERFORMANCE

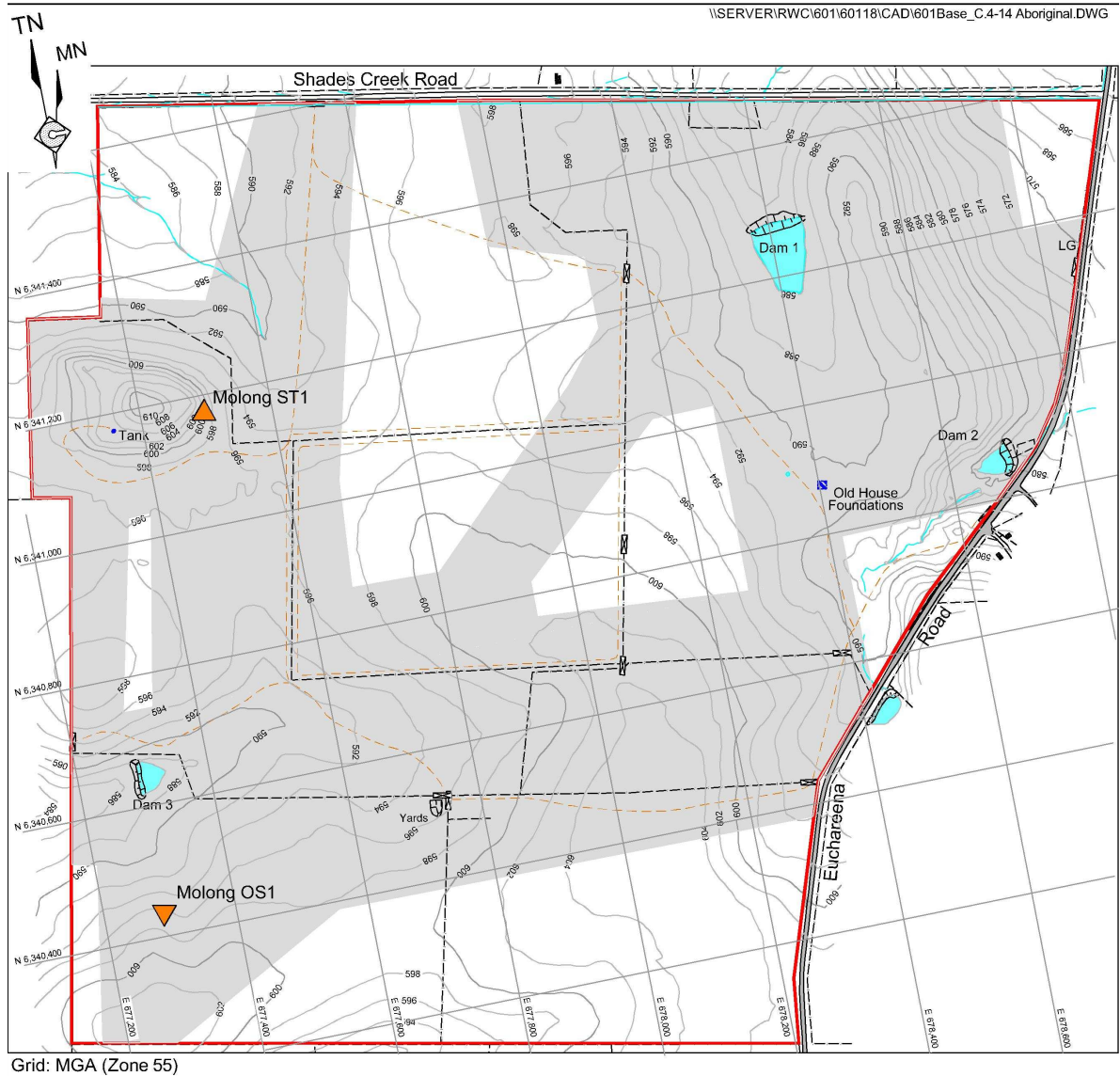
ORANGE CITY COUNCIL
EUCHAREENA ROAD RRC

VEGETATION ENHANCEMENT
& REHABILITATION

Job Number 21-18113
Revision A
Date SEP 2009

Figure 01

APPENDIX 4 **ABORIGINAL HERITAGE SITES – EUCHAREENA RD**



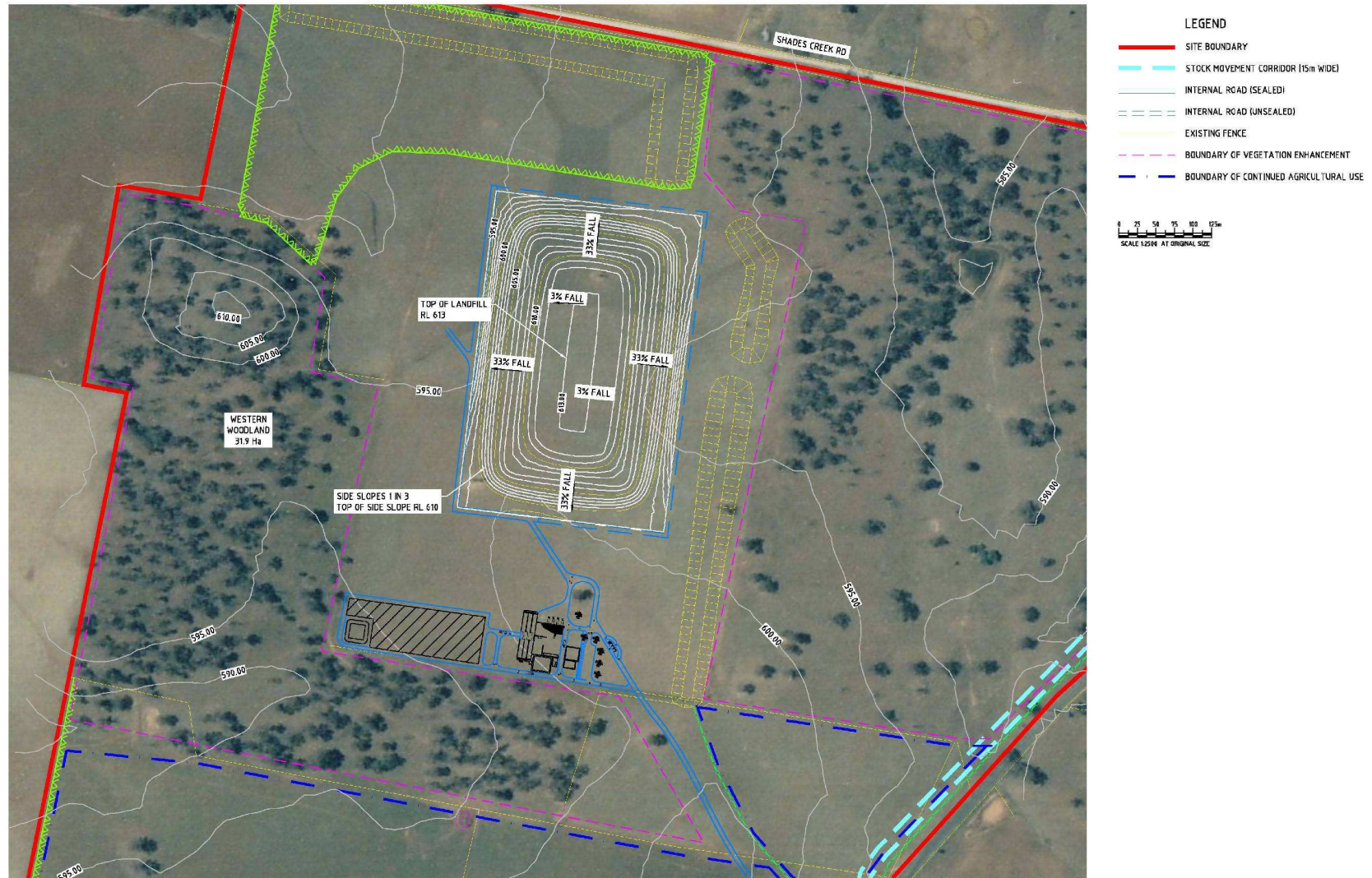
REFERENCE

- Euchareena Road Site Boundary (Fenced)
- - - Internal Fence
- Contour (m AHD) (Interval = 2m)
- Farm Dam
- Creek
- Sealed Road
- Unsealed Road
- Track
- Gate
- Survey Coverage
- ▲ Aboriginal Scarred Tree
- ▼ Aboriginal Artefact Scatter

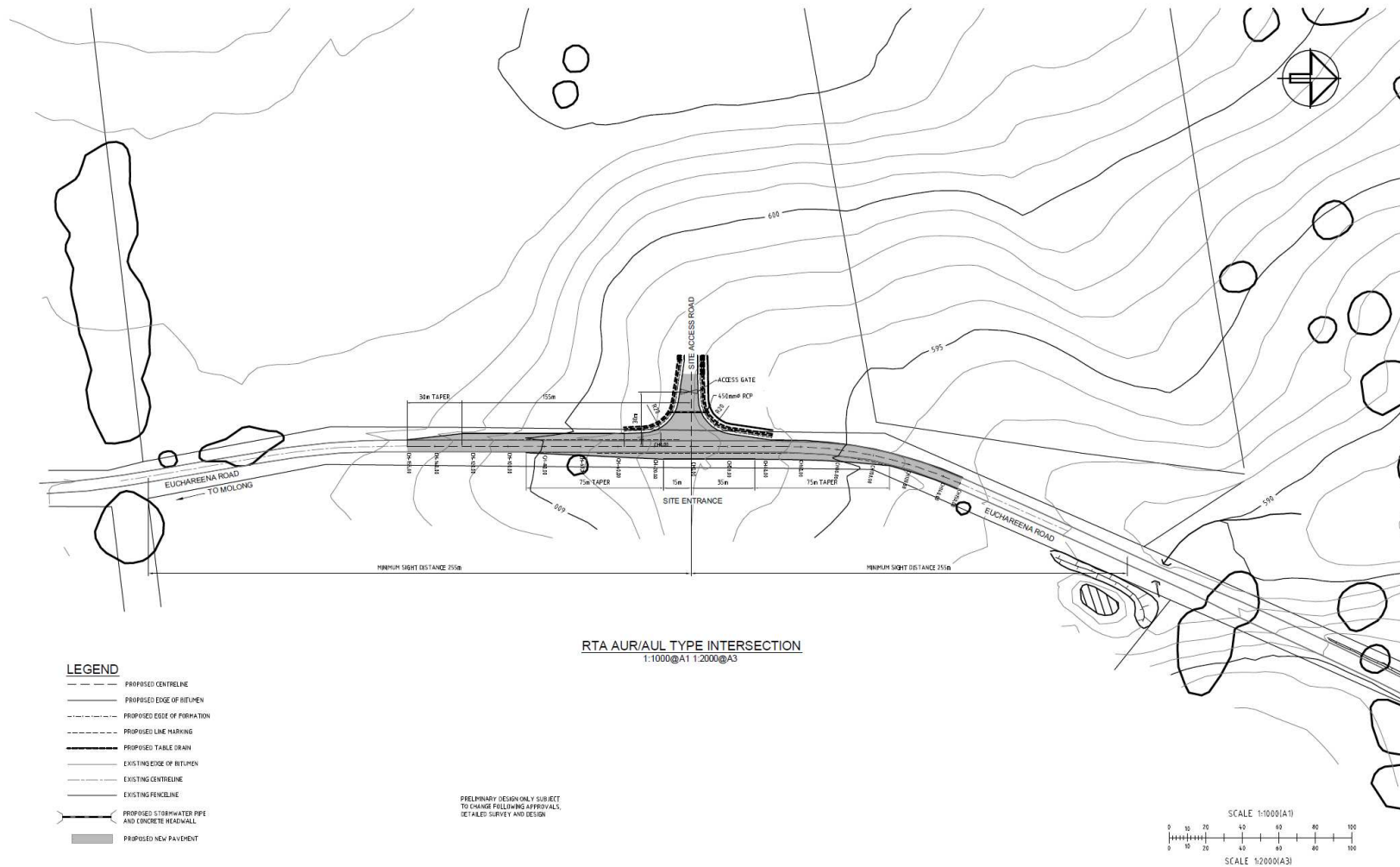
SCALE 1:10 000

100 0 100 200 300 400 500 m

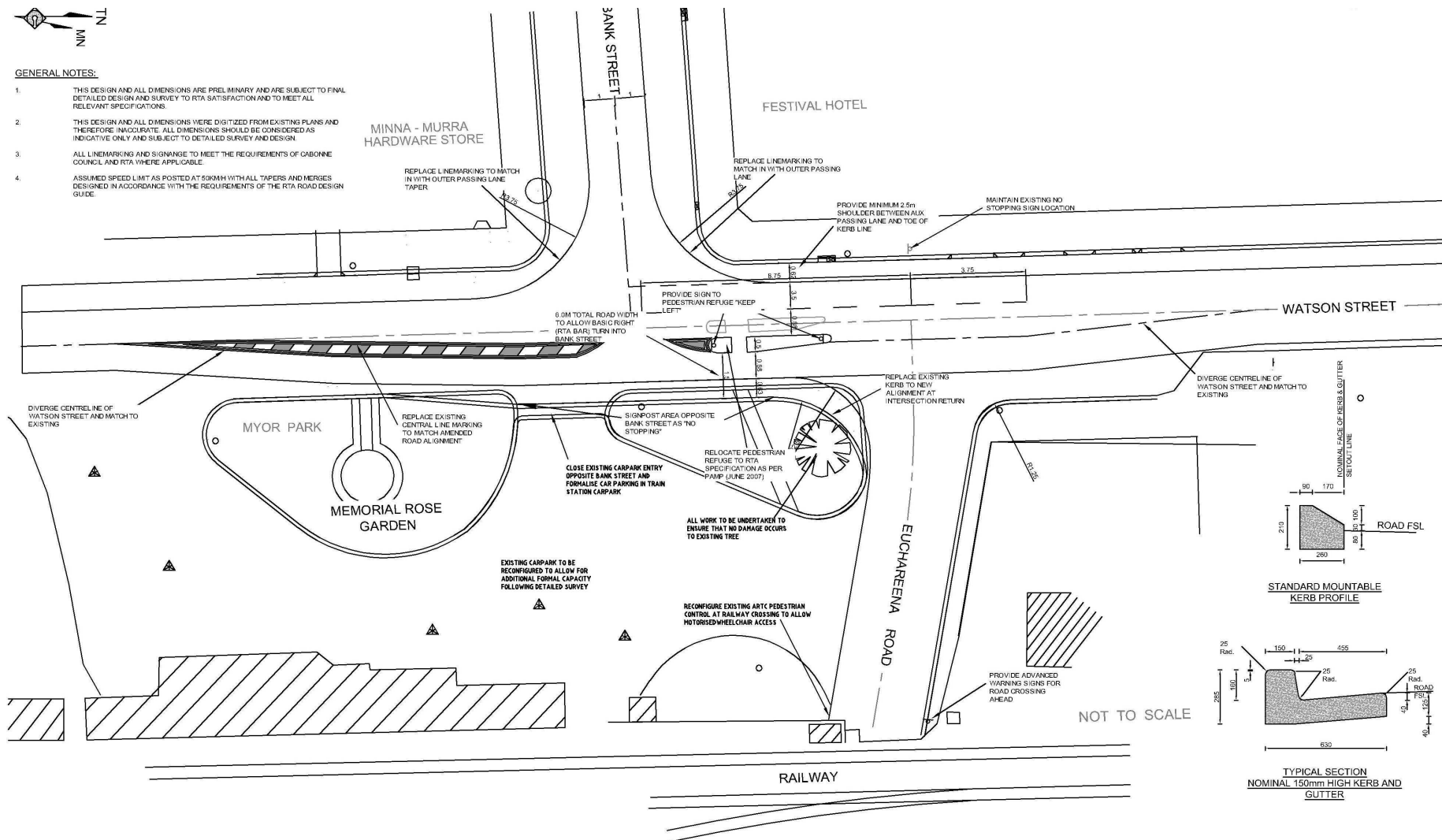
Source: Archaeological Surveys and Reports (2005) - Figure 6



APPENDIX 6 INDICATIVE ROADWORKS



Proposed intersection to the Euchareena Rd site



Mitchell Highway / Euchareena Rd intersection upgrade