

# Consolidated Consent

As delegate for the Minister for Planning under delegation executed on 16 February 2015, I approve the Staged Development Application referred to in Schedule A subject to the concept proposal conditions in Schedule B and Stage 1 works conditions in Schedule C.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts including economic and social 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.

Anthea Sargeant  
**Executive Director**  
**Key Sites and Industry Assessments**

Sydney

2016

***The Department has prepared a consolidated version of the consent which is intended to include all modifications to the original determination instrument.***

***The consolidated version of the consent has been prepared by the Department with all due care. This consolidated version is intended to aid the consent holder by combining all consents relating to the original determination instrument but it does not relieve a consent holder of its obligation to be aware of and fully comply with all consent obligations as they are set out in the legal instruments, including the original determination instrument and all subsequent modification instruments.***

# CONSOLIDATED CONSENT

## SCHEDULE A

<b>Application No.:</b>	SSD 7015
<b>Applicant:</b>	Shoalhaven City Council
<b>Consent Authority:</b>	Minister for Planning
<b>Land:</b>	114 Flatrock Road, Mundamia (Lot 342 DP 257515)
<b>Development:</b>	<p>West Nowra Resource Recovery Facility Staged Development Application, comprising:</p> <p>A concept proposal for a resource recovery facility designed to process up to 130,000 tonnes of waste per annum.</p> <p>Stage 1 works consisting of demolition of existing buildings, clearing of land, site grading, provision of basic infrastructure including offices and amenities, a new site entrance, site access roads, detention basins, car parking and preparation of asset protection zones for bushfire protection.</p>

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### SUMMARY OF MODIFICATIONS

Application Number	Determination Date	Decider	Modification Description
SSD-7015-Mod-1	XX October 2021	Department	<ul style="list-style-type: none"><li>• Delete the mitigation measure that required the creation of a road reserve and relocation of existing facility gate</li><li>• Modify mitigation measure relating to entry and exit vehicle speed limit</li></ul>

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## DEFINITIONS

Applicant	Shoalhaven City Council, or anyone else entitled to act on this consent
APZ	Asset Protection Zones
AWT	Alternative Waste Treatment
BAR	Biodiversity Assessment Report
BOS	Biodiversity Offset Statement
Construction	The demolition of buildings or works, the carrying out of works, including earthworks, and other infrastructure covered by this consent
<b>Department</b>	<b>Department of Planning, Industry and Environment</b>
Development	The development that is approved by this development consent and as generally described in Schedule A
DPI	Department of Primary Industries
EIS	Environmental Impact Statement titled <i>West Nowra Resource Recovery Park</i> prepared by GHD Pty Ltd dated January 2016
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPA	Environment Protection Authority
EPL	Environment Protection Licence under the <i>Protection of the Environment Operations Act 1997</i>
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"><li>• causes or threatens to cause material harm to the environment; and/or</li><li>• breaches or exceeds the limits or performance measures/criteria in this consent</li></ul>
Material harm to the environment	Actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial
<b>Minister</b>	<b>NSW Minister for Planning and Public Spaces</b>
Mitigation	Activities associated with reducing the impacts of the development prior to or during those impacts occurring
<b>Modification Assessments</b>	<b>The document assessing the environmental impact of a proposed modification of this consent and any other information submitted with the following modification applications made under the EP&amp;A Act:</b> <ul style="list-style-type: none"><li><b>a) SSD-7015-Mod-1, prepared by Shoalhaven City Council and dated August 2021</b></li></ul>
MRF	Materials Recovery Facility
NPWS	NSW National Parks and Wildlife Service
OEH	Office of Environment and Heritage
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
Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
Response to Submissions (RTS)	Response to Submissions titled <i>West Nowra Resource Recovery Park</i> , prepared by Shoalhaven City Council dated 10 May 2016 and <i>Final Biodiversity Offset Strategy &amp;</i>

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*Biodiversity Assessment Report for a potential Biobank site at Huskisson prepared by Shoalhaven City Council submitted 28 June 2016*

RFS	Rural Fire Service
RMS	Roads and Maritime Services
<b>Secretary</b>	<b>Secretary of the Department, or delegate</b>
Site	Land referred to in Schedule A
Stage 1	Stage 1 includes: <ul style="list-style-type: none"><li>i. clearing of land</li><li>ii. demolition of buildings;</li><li>iii. earthworks, site grading and preparation; and</li><li>iv. provision of basic infrastructure including , new heavy vehicle access, drainage works detention basins, access roads, utilities and security fencing and gates</li></ul>
Stage 2	Construction and operation of Resource Recovery Facility designed to process 130,000 tonnes of waste per year.
Waste	As defined under the POEO Act

# CONSOLIDATED CONSENT

## SCHEDULE B

### PART A CONDITIONS OF CONSENT FOR CONCEPT PROPOSAL (STAGES 1 & 2)

#### STAGED DEVELOPMENT DESCRIPTION

- A1. Consent is granted to the Concept Proposal as described in:
- a) Schedule A;
  - b) Staged Development Application (SSD 7015);
  - c) EIS;
  - d) RTS;
  - e) site layout plan as identified in Appendix 1 and 2; and
  - f) conditions contained in this development consent.

#### CONSENT LIMITS

- A2. The consent does not permit the construction and operation of Stage 2.
- A3. Should consent be granted for Stage 2, the West Nowra Resource Recovery Facility must not receive or process more than 130,000 tonnes of waste per annum (as identified in the EPL).

#### ADMINISTRATIVE CONDITIONS

##### Determination of Future Development Applications

- A4. In accordance with section 83B(3) of the EP&A Act, Stage 2 is to be the subject of a future development application.
- A5. The determination of the future development application(s) are to be generally consistent with the terms of this development consent as described in Schedule A, and subject to the conditions in Schedule B.
- A6. As per Clause 12(b) of the *State Environmental Planning Policy (State and Regional Development) 2011*, any future development application(s) shall be classified State Significant Development.

##### Obligation to Minimise Harm to the Environment

- A7. 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 or operation of the development.

##### Statutory Requirements

- A8. 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.

##### Inconsistency between Documents

- A9. If there is any inconsistency between the plans and documentation referred to above, the most recent document shall prevail to the extent of the inconsistency. However, conditions of this consent prevail to the extent of any inconsistency.

##### Lapsing of Approval

- A10. This consent lapses five years after the date from which it operates, unless the Stage 1 works have 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.

##### Dispute Resolution

- A11. In the event that a dispute arises 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.

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### Legal Notices

A12. Any advice or notice to the consent authority shall be served on the Secretary.

FOR INFORMATION

## SCHEDULE C

### CONDITIONS OF CONSENT FOR STAGE 1

#### PART A ADMINISTRATIVE CONDITIONS

##### DEVELOPMENT IN ACCORDANCE WITH PLANS AND DOCUMENTS

A1. The Applicant must carry out the Development in accordance with the:

- a) Staged Development Application (SSD 7015);
- b) EIS;
- c) RTS;
- d) Conditions in Schedule B;
- e) Modification Applications;**
- f) site layout plan as identified in Appendix 2 (Stage 1 works); and
- g) management and mitigation measures as identified in Appendix 3 (Management and Mitigation Measures for Stage 1 Works).

A2. 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.

A3. The Applicant shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of:

- a) any reports, plans, strategies, programs or correspondence that are submitted in accordance with this consent; and
- b) the implementation of any actions or measures contained in these reports, plans, strategies, programs or correspondence.

##### STAGED SUBMISSION OF PLANS OR PROGRAMS

A4. With the approval of the Secretary, the Applicant may:

- a) submit any strategy, plan or program required by this consent on a progressive basis; and/or
- b) combine any strategy, plan or program required by this consent.

A5. If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages and the trigger for updating the strategy, plan or program. A clear relationship between the strategy, plan or program that is to be combined shall be demonstrated.

##### EVIDENCE OF CONSULTATION

A6. Where consultation with any public authority is required by the conditions of this consent, the Applicant shall:

- a) consult with the relevant public authority prior to submitting the required documentation to the Secretary or the PCA for approval, where required;
- b) submit evidence of this consultation as part of the relevant documentation required by the conditions of this consent; and
- c) include the details of any outstanding issues raised by the relevant public authority and an explanation of disagreement between any public authority and the Applicant or any person acting on this development consent.

##### METEOROLOGICAL MONITORING

A7. 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.

## DEMOLITION

A8. 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.

## OPERATION OF PLANT AND EQUIPMENT

A9. The Applicant shall ensure that all plant and equipment used for the Development is:

- a) maintained in a proper and efficient condition; and
- b) operated in a proper and efficient manner.

## PROTECTION OF PUBLIC INFRASTRUCTURE

A10. 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.

## PART B ENVIRONMENTAL PERFORMANCE

### BIODIVERSITY

#### Biodiversity Offset Strategy

- B1. Prior to the commencement of Stage 1, the Applicant shall purchase and retire 133 ecosystem credits and 52 Squirrel Glider species credits in accordance with the EIS and the BOS and BAR of the RTS, and any modifications approved by the OEH.

### TRAFFIC AND ACCESS

#### Roadworks and access

- B1A.** Prior to the commencement of Stage 1, the Applicant shall:
- prepare detailed design drawings for the proposed roadworks and accessway in accordance with *Austroads – Guide to Road Design (2009)*. The design drawings shall be prepared by a suitably qualified professional to the satisfaction of the Secretary and Council; and
  - construct the roadworks and accessway approved by the Secretary and Council.

#### Traffic Management Plan

- B2. Prior to the commencement of Stage 1, the Applicant shall prepare a Traffic Management Plan (TMP) for the Development in consultation with Council, NPWS (Nowra Area Office and Depot) and to the satisfaction of the Secretary. The plan shall form part of the CEMP required under Condition C1. The TMP shall:
- describe the number, type and duration of the vehicle movements;
  - detail the measures that would be implemented to ensure road safety, network efficiency and access during construction;
  - identify any traffic hazards and risks associated with the movement of construction vehicles;
  - identify appropriate controls to address any traffic hazards and risks identified in (c) above;
  - focus on the management of light and heavy vehicle traffic generated by the construction activity of the Development, the potential impacts, the measures to be implemented, and the procedures to monitor and ensure compliance;
  - contain a drivers code of conduct to:
    - minimise the impacts of construction on the local and regional road network;
    - minimise conflicts with other road users;
  - detail heavy vehicle routes, access and parking arrangements; and
  - if necessary, detail procedures for notifying any nearby residents of any potential disruptions to routes.

#### Traffic access

- B3. The Applicant shall ensure that:
- site access, driveways are constructed and maintained in accordance with the latest versions of Australian Standards AS 2890.1, AS 2890.2, AS 2890.6 and AS 1428.1;
  - the Development does not result in any vehicles parking or queuing on the public road network; and
  - all vehicles enter and leave the site in a forward direction.

### FIRE MANAGEMENT

- B4. The Applicant shall:
- implement suitable measures in consultation with the RFS to minimise the risk of fire on-site including but not limited to the recommendations in the EIS and RTS and *Planning for Bushfire Protection* (NSW RFS, 2010);
  - extinguish any fires on-site promptly;
  - prepare an emergency/evacuation plan; and
  - maintain adequate fire-fighting capacity on-site.

#### Asset Protection zones

- B5. Prior to the commencement of Stage 1, the applicant shall ensure that an APZ of 30 meters wide is created and maintained along the northern, eastern and southern boundaries of the site. The APZ must be maintained as outlined within section 4.1.3 and Appendix 5 of *Planning for Bush*

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*Fire Protection 2006'* and the NSW Rural Fire Service's document '*Standards for asset protection zones*'.

## SOIL AND WATER

### Pollution of Waters

B6. The Development shall comply with section 120 of the POEO Act, which prohibits the pollution of waters, except as expressly provided in an EPL.

### Stormwater

- B7. Prior to the commencement of Stage 1, the Applicant shall:
- prepare a stormwater management plan by a suitably qualified professional in consultation with DPI and EPA and to the satisfaction of the Secretary. The plan shall form part of the CEMP required under Condition C1; and
  - implement the stormwater management plan to minimise the impacts of stormwater run-off from and within the site during and following the completion of Stage 1 works.

### Surface Water Discharge Limits

B8. The Applicant shall ensure that all licensed surface water discharges from the site comply with the discharge limits (volume and quality) set for the Development in any EPL or relevant provisions of the POEO Act.

### Erosion and Sediment Control

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

### Bunding

B10. 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*.

### Imported Soil

- B11. The Applicant shall:
- ensure that only VENM, or ENM, or other material approved in writing by the EPA is used as fill on the site;
  - keep accurate records of the volume and type of fill to be used; and
  - make these records available to the Department upon request.

## NOISE AND VIBRATION

### Vibration Criteria

B12. 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.

### Construction Hours

B13. The Applicant shall comply with the construction hours in Table 1 unless otherwise agreed to in writing by the Secretary.

**Table 1: Hours of Construction**

Activity	Day	Hours
Construction	Monday – Friday	7 am to 6 pm
	Saturday	8 am to 1 pm
	Sunday & Public Holidays	Nil

### Noise Mitigation

B14. The Applicant shall:

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- a) implement best management 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; and
- c) maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant is not used operationally until fully repaired.

### AIR QUALITY

#### Dust Management

- B15. The premises shall be maintained in a condition which minimises or prevents the emission of dust from the premises.
- B16. Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading within the Stage 1 development.

#### Construction Mitigation

- B17. During construction, the Applicant shall ensure that:
- a) all vehicles on site do not exceed a speed of 30 kilometres per hour;
  - b) all loaded construction vehicles entering or leaving the site have their loads covered; and all construction vehicles leaving the site are cleaned of dirt, sand and other materials before they leave the site, to avoid tracking the materials on public roads.

### HERITAGE

- B18. 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.

### WASTE MANAGEMENT

- B19. The Applicant shall not cause, permit or allow any materials or waste (as defined by the POEO Act) generated outside the site to be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by an EPL.
- B20. For the Stage 1 development, the Applicant must:
- a) monitor the amount of waste generated by the development;
  - b) investigate ways to minimise waste generated by the development; and implement reasonable and feasible measures to minimise waste generated by the development; and
  - c) implement reasonable and feasible measures to minimise waste generated by the development.
- B21. The Applicant shall ensure that any waste generated on the site is classified in accordance with the EPA's *Waste Classification Guidelines* (EPA, 2014) or any other superseding document and disposed to a facility that may lawfully accept the waste.

### SECURITY

- B22. 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 AND REPORTING**

### **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.

#### **Management Plan Requirements**

- C3. 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;
    - iv. exceedances of the impact assessment criteria and/or performance criteria; and
    - v. a protocol for periodic review of the plan.
- C4. The Secretary may waive some of the requirements in Condition C3 if they are unnecessary or unwarranted for particular management plans/strategies.

## REPORTING

### Incident Reporting

- C5. 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

- C6. 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.

### Revision of Strategies, Plans and Programs

- C7. Within 3 months of the submission of an:
- incident report under Condition C5 above;
  - any modification to this consent,

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

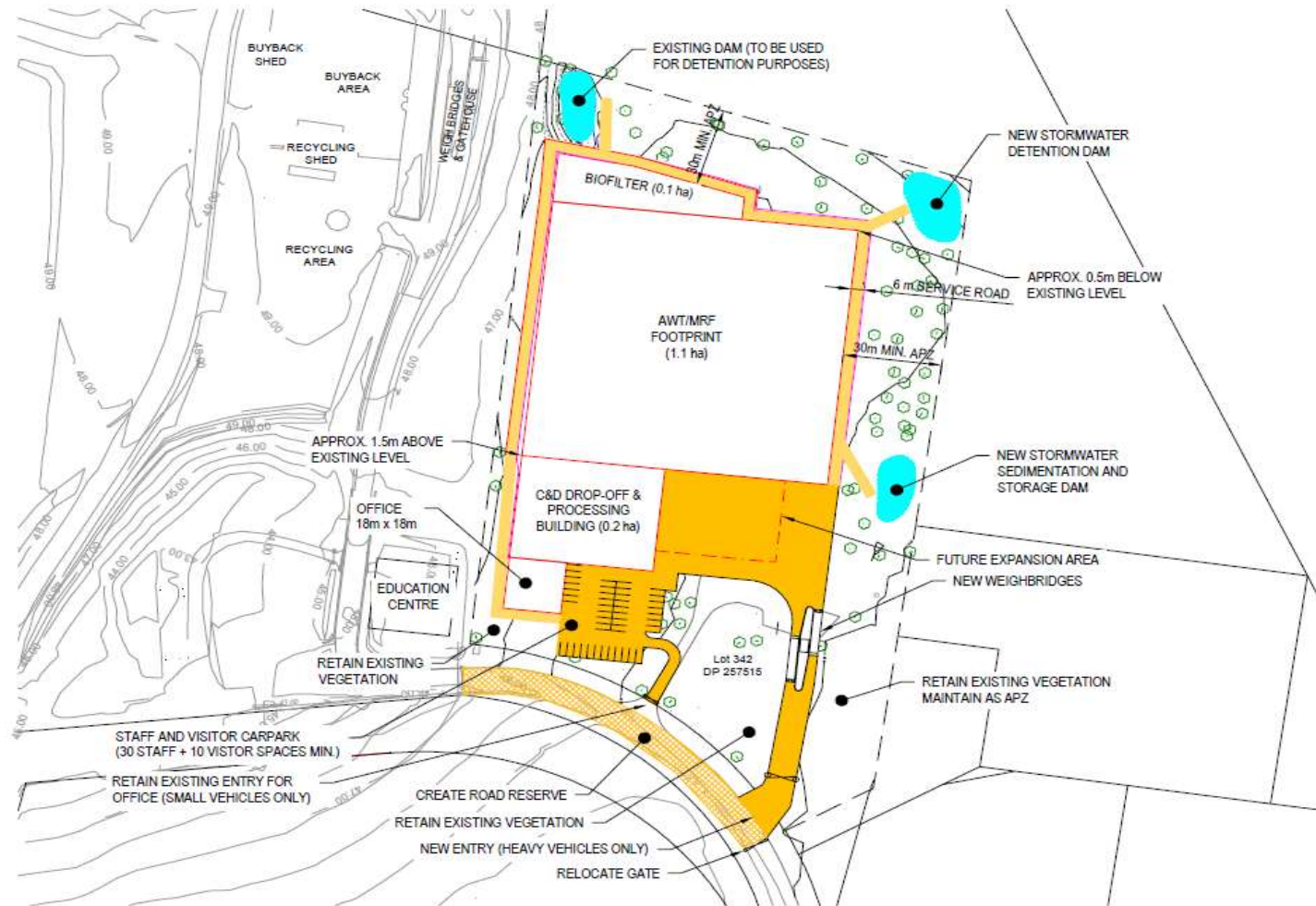
*Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the Development.*

- C8. 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

- C9. The Applicant shall:
- make copies of the following publicly available on its website:
    - the documents referred to in Condition A1;
    - all current statutory approvals for the Development;
    - all approved strategies, plans and programs required under the conditions of this consent;
    - 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;
    - a complaints register, updated on a monthly basis;
    - the annual reviews of the Development;
    - any independent environmental audit of the Development, and the Applicant's response to the recommendations in any audit;
    - any other matter required by the Secretary; and
  - keep this information up to date.

## APPENDIX 1 – CONCEPT PROPOSAL



### NOTES:

1. AWT CONTRACTOR TO PROVIDE AMENITIES (SHOWERS, TOILETS, LUNCHROOM ETC.) TO STAFF WITHIN AWT BUILDING
2. OFFICE TO CONTAIN RECEPTION AREA, MEETING ROOM, OFFICES (MIN. OF 2) AND AMENITIES (TOILETS ETC.)
3. COMPOST MATURATION AREA TO BE LOCATED ON FORMER LANDFILL STAGES 2 AND 3
4. PUBLIC C&D SALES AREA TO BE LOCATED ON FORMER LANDFILL STAGES 2 AND 3

0 15 30 45m  
SCALE 1:1000 AT ORIGINAL SIZE



SHOALHAVEN CITY COUNCIL  
WEST NOWRA RRP

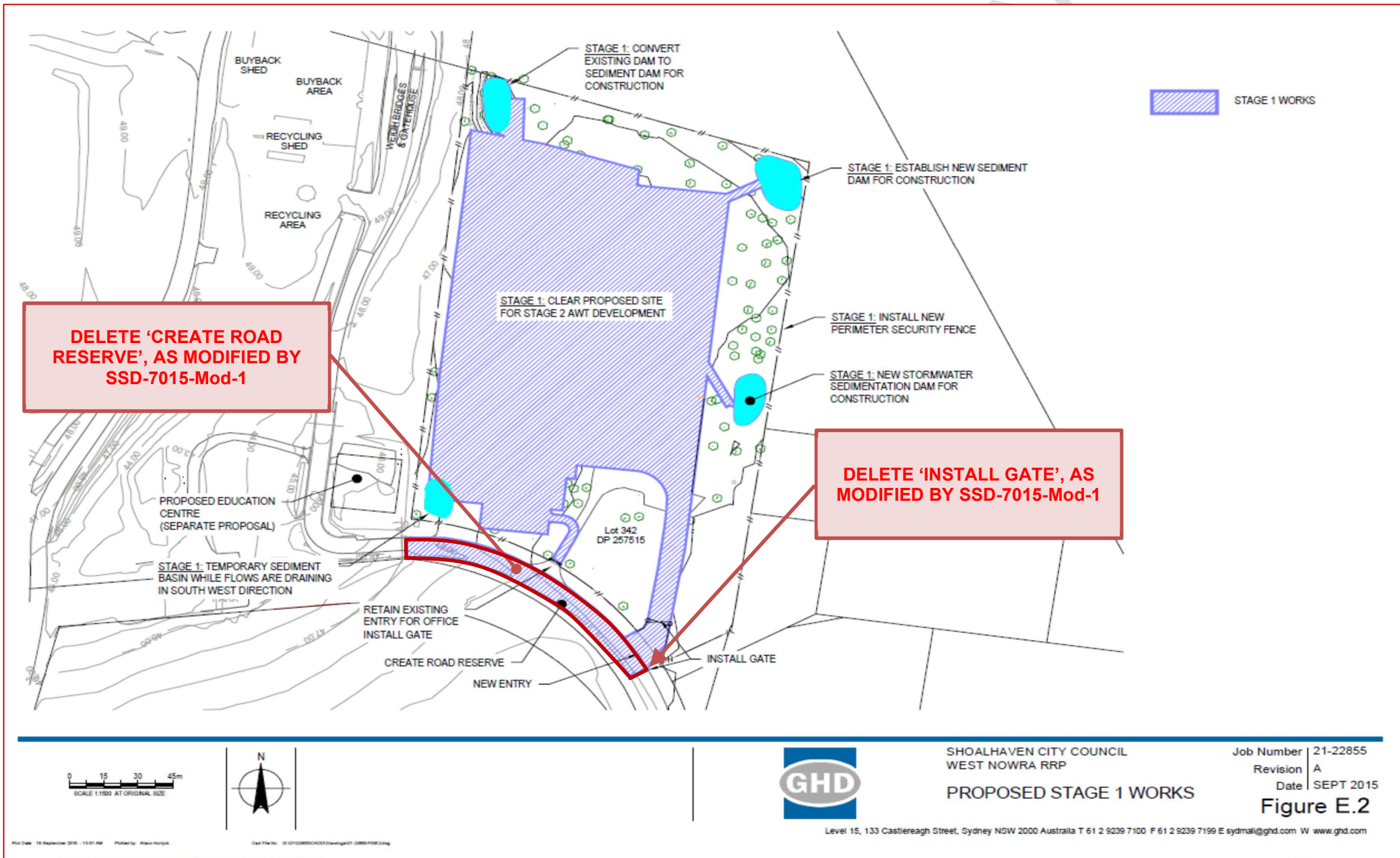
PRELIMINARY FUTURE  
SITE LAYOUT

Job Number | 21-22855  
Revision | A  
Date | SEPT 2015

Figure 6.1

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

## APPENDIX 2 –STAGE 1 WORKS



## APPENDIX 3 – MANAGEMENT AND MITIGATION MEASURES FOR STAGE 1 WORKS

Environmental Issue	Mitigation Measures
<b>Air Quality &amp; Odour</b>	<b>Stage 1 Mitigation Measures</b>
	Rehabilitate cleared areas promptly.
	Locate stockpiles in areas that are protected from wind where possible and/or away from sensitive receptors.
	Ensure plant and machinery is regularly checked and maintained in a proper and efficient condition.
	Methods for management of emissions would be incorporated into site inductions, training and pre-start talks.
	Prompt remedial strategies, such as watering would be implemented in the event of visible dust emissions.
	Reduce dust production on site by scheduling work into stages to reduce land disturbance in the planning and design stage, including scheduling installation of control measures for dust prevention, while having regard for seasonal dryness.
	Limit vehicle movements to designated entries and exits, haulage routes and parking areas. Site exits would be fitted with hardstand material or other appropriate measures to limit the amount of material transported offsite (where required).
	Regular sweeping of access roads (including Flatrock Road) to ensure material is not transported onto the roads around the site.
	Identify dust sources prior to carrying out works in a particular area.
	Keep the areas of land cleared to a minimum, and the period of time areas remain cleared to a minimum.
	Minimise working areas and define haul routes to be used wherever it is necessary for vehicles to traverse unformed roads.
	Identify all possible dust sources at the beginning of each day and throughout the day. Sources may include: haul roads, earthworks, windblown dust, general construction and stockpiles.
	Visually monitor dust and where necessary implement controls.
	The primary method for controlling dust generated by construction and maintenance activities would be the application of water and/or an approved suppression agent, via water.
	The Site Supervisor should determine the frequency of passes and number of water tankers required, based on the following; weather conditions; volume of traffic on exposed or dusty surfaces; extent of stripped area; and extent of unprotected areas.
	Plant and machinery would be turned off when not in use and would be fitted with emission control devices complying with Australian Design Standards.
<b>Hazard &amp; Risk Management</b>	<b>Stage 1 Mitigation Measures</b>
	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.
	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 be replenished when used.

<b>Noise &amp; Vibration</b>	<b>Stage 1 Mitigation Measures</b>
	Engine covers, where fitted, would be kept closed while equipment is operating.
	Materials dropping heights into or out of trucks would be minimised.
	Vehicles would be kept properly serviced and fitted with appropriate mufflers. The use of exhaust brakes would be eliminated where practicable.
	Machines found to produce excessive noise compared to industry best practice would be removed from the site or stood down until repairs or modifications can be made.
	To reduce the annoyance associated with reversing alarms, broadband reversing alarms audible movement alarms would be used for all site equipment. Satisfactory compliance with work health and safety requirements would need to be achieved.
	All equipment would be selected to minimise noise emissions. Equipment would be fitted with appropriate silencers and be in good working order. Machines found to produce excessive noise compared to normal industry expectations would be removed from the site or stood down until repairs or modifications can be made.
	Noise monitors would be used along the site boundaries.
	Temporary hardstand areas would be used.
	The contractor would establish contact with residents affected by construction noise and communicate the construction program and progress on a regular basis, particularly when noisy or vibration generating activities are planned. Communication with the local community would be maintained throughout the construction period.
	The construction contractor would provide a community liaison phone number and permanent site contact so that noise complaints can be received and addressed in a timely manner.
	Upon receipt of a noise complaint, monitoring would be undertaken and reported as soon as possible. If exceedances are detected, the situation would be reviewed in order to identify means to attempt to reduce the impact to acceptable levels.
<b>Waste</b>	<b>Stage 1 Mitigation Measures</b>
	A waste management sub-plan would be prepared as part of the construction environmental management plan for the proposal. The sub plan would include procedures for the management of wastes in accordance with the relevant NSW legislation and the principles of the waste management hierarchy set out in the NSW Waste Avoidance and Resource Recovery Strategy 2014-21 (EPA 2014a)
	The contractor would be required to follow the Waste Resource Management Hierarchy principles of the Waste Avoidance and Recovery Act 2001.
	Waste streams would be sorted to maximise the recycling potential and minimise disposal costs.
	Any fuel, lubricant or hydraulic fluid spillages would be collected using absorbent material and the contaminated material disposed at a licenced waste facility.

	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.
	The site would be left clean and free of weeds, debris and other rubbish at the end of the works.
	Sustainable initiatives are to be incorporated into the construction contract to encourage the contractor to source recycled material as part of the construction activities.
	If suspected asbestos is encountered the mitigation measures outlined for air quality and contaminated material should be followed.
<b>Soil and Water</b>	<b>Stage 1 Mitigation Measures</b>
	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.
	The contractor would limit idling time of plant and equipment whilst onsite.
	The contractor would be required to include energy efficiency tips and requirements into the site environmental induction.
	The contractor would make certain that the only lighting left on overnight around the site office will be security or emergency/access lighting.
	Earthmoving equipment and on-site vehicles would be fitted with exhaust controls in accordance with the POEO (Clean Air) Regulation.
	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.
	Incorporation of energy efficiency and GHG reduction measures would be monitored through the implementation of detailed design, procurement management and construction.
	Excavations onsite to be kept to a minimum.
	Dust from stockpiles would be suppressed with water and bunded to prevent loss of soil.
	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 licenced facility.
	Disposal of any asbestos material would be undertaken by a licenced 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 sedimentation 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 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.
<b>Traffic and Transportation</b>	<b>Stage 1 Mitigation Measures</b>
	A Construction Traffic Management Plan (CTMP) would be prepared to include the management and timing of heavy vehicles through West Nowra.
	The CTMP would address the timing of the trucks accessing the site to ensure there is sufficient room within the site to accommodate vehicles.
	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).
	Work vehicles will not obstruct roadways or private driveways and will stay on formed roads or designated lay down areas.
	Work hours would be limited to the following: <ul style="list-style-type: none"> <li>• 7am to 6pm, Monday to Friday</li> <li>• 8am to 1pm, Saturday</li> <li>• No work on Sundays and public holidays</li> </ul>
	<b>Speed Limit Reductions;</b> <ul style="list-style-type: none"> <li>• <b>Council has applied to TfNSW for assessment of the permanent reduction of the Flatrock Road speed limit from 100km/h to 60km/h.</b></li> </ul> <b>The temporary reduction of the Flatrock Road speed limit, adjacent to the landfill, to 40km/h during construction activities related to the development.</b>
	<b>Investigate, design and install line markings adjacent to the site, in accordance with Austroads</b>
	<b>Investigate, design and install relevant road signage adjacent to the site, in accordance with Austroads</b>
	<b>Investigate, design and install street lighting at the site entry, when works are impacted by low light.</b>
<b>Terrestrial &amp; Aquatic Flora &amp; Fauna</b>	<b>Stage 1 Mitigation Measures</b>
	All clearing works would be supervised by a suitably qualified environmental consultant.
	A suitably qualified and NSW National Parks and Wildlife Service licenced wildlife handler would be on site prior to, and during the removal of any trees or areas of potential habitat vegetation and dams to rescue fauna.

	Prior to commencement of any clearing works, the extent of clearing would be accurately marked on the ground with temporary barriers fencing or similar visible material.
	Trees to be cleared would be felled carefully into the proposal site carefully so as not to damage trees to be retained in or beyond the proposal footprint.
	Hollow-bearing trees would be felled carefully in sections using a “cherry picker” or crane if necessary to allow the rescue of native fauna. Hollow-bearing sections would be carefully lowered to the ground so as not to injure native fauna.
	All clearing works and associated machinery and waste would be contained within the proposal site.
	Parking of machinery and vehicles and storing of building or landscaping materials, soil, spoil or waste outside of the site would be prohibited.
	Sediment erosion controls would be put in place immediately following clearing, and on the same day as clearing works commence.
	To protect native gliding and flying mammals in the locality, barbed wire for fences would be prohibited.
	Native grasses would be used where grassing is required.
	Any landscaping would be undertaken with local native plant species only.
<b>Fire and incident</b>	<b><i>Stage 1 Mitigation Measures</i></b>
	Safe access and egress via a new all-weather main road.
	A site management plan detailing bushfire prevention measures that would be implemented during construction and operation, including the following measures; <ul style="list-style-type: none"> <li>• Actions to be taken where a formal bush fire alert is issued; and</li> <li>• Emergency and operational protocols to be taken in response to escalation of fire.</li> </ul>
	Bushfire suppression equipment available on site and their location.
	Appropriate storage and maintenance of fuels and other flammable materials on site.
	Management of retained vegetation (outside the identified APZ) in accordance with the draft <i>Bush Fire Risk management Plan</i> (SBFMC 2010)
	To minimise the potential for ignition sources during construction, Shoalhaven Fire Control Centre (SFCC) would be notified of the construction dates. This is particularly important for dates during which ‘hot works’ are to be conducted and will enable personnel from the SFCC to advise where weather conditions are not appropriate to carry out the works proposed.
	Preparation of the site would take into account the required APZs for Stage 2.