

Construction Compound and Ancillary Facility Management Plan

Epping to Thornleigh Third Track Alliance



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| ORIGINATOR | Reece Wilkie | Environmental Manager |  | 10/3/16 |
| REVIEW | Andrew Naylor | Construction Manager |  | 15/3/16 |
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Glossary of terms

| Acronyms | Glossary |
|----------|--|
| ALLIANCE | Epping to Thornleigh Third Track Alliance |
| AS/NZS | Australian and New Zealand Standard |
| CCAFMP | Construction Compound and Ancillary Facility Management Plan |
| CEMP | Construction Environmental Management Plan |
| CNVIS | Construction Noise and Vibration Impact Statement |
| DPI | Department of Primary Industries (NSW) |
| DP&E | Department of Planning and Environment (NSW) |
| EEC | Endangered Ecological Community |
| E.G. | For example |
| EIN | Environmental Improvement Notice |
| EIR | Environmental Incident Report |
| EIS | Environmental Impact Statement |
| EMP | Environmental Management Plan |
| EMS | Environmental Management System (as defined under AS/NZS 14001) |
| EPA | Environmental Protection Authority |
| ER | Environmental Representative |
| ESD | Ecologically Sustainable Development |
| ETTT | Epping to Thornleigh Third Track Project |
| HMP | Construction Heritage Management Sub Plan |
| ISO | International Organisation for Standards |
| MCOA | Ministers Conditions of Approval |
| MSDS | Material Safety Data Sheets |
| NOW | NSW Office of Water (NSW) (incorporated in DPI) |
| NPWS | National Parks and Wildlife Service (NPWS) (incorporated in OEH) |
| NSW | New South Wales |
| OEH | Office of Environment and Heritage (NSW) |
| REMM | Revised Environmental Management Measures |
| SWMP | Soil and Water Sub Plan |
| TMP | Traffic Management Plan |

1 Introduction

1.1. Background

The Epping to Thornleigh Third Track Project (ETTT) involves the construction and operation of a new third track on the western side of the Main North line rail corridor in Sydney's north-west. Once complete, the project would relieve one of the critical capacity and operational constraints on the Main North Line between Strathfield and Broadmeadow and thereby improve the efficiency and reliability of northbound freight and passenger services. The proposed third track would primarily be used by northbound freight trains which are currently slowed by the existing uphill gradients, however non-stop electric and diesel passenger services would also be able to use the track when not in use by freight services.

As part of the project, it is necessary to establish site compounds, stockpiles and other ancillary facilities to facilitate construction. The construction of these ancillary facilities is recognised as an integral part of project works. Whilst six sites were identified, assessed and approved in the Environmental Impact Statement (EIS), additional sites have been, and will continue to be identified throughout the construction program.

1.2. Purpose and scope

The purpose of this plan is to provide a practical framework for environmental management of ancillary facilities required as part of the project. This framework will apply to sites identified in the EIS and additional locations, based on suitability and the likely amenity and environmental impacts. Day to day management of these will be in accordance with the Construction Environmental Management Plan for the project. In addition, the management plan also provides a decision and approval framework for minor facilities as per MCoA E30.

This plan has been prepared to address the requirements of the Minister's Conditions of Approval (MCoA), the Revised Environmental Mitigation Measures (REMM), controls listed in the ETTT Environmental Impact Statement (EIS) and all applicable legislation including Transport for NSW Environmental Requirements.

1.3. Objectives

The objectives of this CCAFMP are to:

- Identify potential issues arising from the construction, operation, rehabilitation and decommissioning of ancillary facilities.
- Identify the types of, timing and known locations of ancillary facilities required for the delivery of the project including those identified in the EIS;
- Provide a framework for the assessment and approval of additional ancillary facilities taking into account amenity of neighbouring properties and environmental impacts;
- Identify and describe site specific measures to be implemented in addition to those outlined in the Construction Environmental Management Plan, where specific controls are required for a location;
- Ensure appropriate measures are implemented to address requirements in the MCoA, REMM and EIS; and
- Outline an effective monitoring, auditing and reporting framework to assess the effectiveness of the controls implemented.

1.4. Legislative and other requirements

The legislation and guidelines relevant to Ancillary Facilities are primarily highlighted through the Minister's Conditions of Approval (MCoA) from the Department of Planning and Environment. Ancillary facilities are defined in the Minister's Approval as *a Temporary Facility for construction, including for example an office and amenities compound, construction compound, batch plant (concrete or bitumen), materials storage compound, maintenance*

workshop, testing laboratory or long term (greater than 6 months) material stockpile area. The relevant conditions are outlined in **Table 1-1**.

The EIS identified and assessed a number of sites which were considered suitable for ancillary facilities for the project. Additional sites have been identified by the construction team.

1.5. Guidelines and Standards

The key reference materials relevant to management of ancillary facilities during project construction are documented in the Construction Environmental Management Plan (CEMP) and associated management sub-plans, such as heritage, flora and fauna, soil and water quality, noise and vibration and traffic.

General guidelines and standards that may be of specific use for the management of ancillary facilities for this Project include:

- DECC 2009, Interim Construction Noise Guideline (ICNG), NSW Department of Environment and Climate Change, Sydney NSW;
- DEC 2006, Assessing vibration – a technical guideline, Department of Environment and Conservation, Sydney NSW;
- Australian Standard 2659.1-1998. Guide to the use of sound measuring equipment – Portable sound level meters;
- AS 2922 - Ambient Air Guide for Citing of Sampling Equipment;
- AS 3580.1.1 – Methods for Sampling and Analysis of Ambient Air – Guide to Siting Air Monitoring Equipment;
- AS 3580.10.1-1991 Methods of Sampling Analysis of Ambient Air – Determination of Particulate Matter – Deposited Matter – Gravimetric Method;
- Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW (DEC 2005);
- Air Quality Monitoring Criteria for Deposited Dust (DEC Guideline);
- Waste Classification Guidelines (EPA 2014);
- NSW Government’s Waste Reduction and Purchasing Policy (WRAPP);
- NSW EPA Green Waste Action Plan;
- Australian Code for the Transport of Dangerous Goods;
- Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW (DECCW 2010);
- Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales (DECCW 2010);

1.6. Minister’s conditions of approval

The MCoA relevant to this Plan are listed in Table 1.1 below. A cross reference is also included to indicate where the condition is addressed in this Plan.

Table 1-1 – MCoA relevant to this Plan

| MCoA No | Condition / Commitment Requirements | Plan Ref. |
|---------|---|--------------|
| E27 | The SSI shall be constructed in a manner that minimises visual impacts resulting from construction compounds. Where feasible and reasonable, this shall include retaining existing vegetation around the perimeter of construction compounds, providing permanent landscaping to soften views of compounds, minimising light spillage, and incorporating treatments and finishes within key elements of temporary structures that reflect the context within which the compounds are located. | Attachment A |

| MCoA No | Condition / Commitment Requirements | Plan Ref. |
|---------|--|-------------|
| E28 | Where land associated with construction sites are not proposed to be utilised as part of the operational stage of the SSI, the Proponent shall ensure that these sites are fully rehabilitated to either the same level or better than their pre-construction condition, and that rehabilitation activities are commenced prior to the operation of the SSI, in consultation with relevant landowner | Section 3.6 |
| E29 | <p>Unless otherwise approved by the Director General, the location of Ancillary Facilities, not identified in the documents listed in B.1 shall:</p> <ul style="list-style-type: none"> a) be located more than 50 metres from a waterway; b) be located within or as close as possible to where the SSI is being carried out; c) have ready access to the road network; d) be located to minimise the need for heavy vehicles to travel through residential areas; e) be sited on relatively level land; f) be separated from nearest residences by at least 200 metres (or at least 300 metres for a temporary batching plant); g) not require vegetation clearing beyond that already required by the SSI; h) not impact on heritage items (including areas of archaeological sensitivity) beyond those already impacted by the SSI; i) not unreasonably affect the land use of adjacent properties; j) be above the 20 ARI flood level unless a contingency plan to manage flooding is prepared and implemented; and k) provide sufficient area for the storage of raw materials to minimise, to the greatest extent practical, the number of deliveries required outside standard construction hours. <p>The location of the ancillary facilities shall be identified in the Construction Environmental Management Plan (condition E33) and include consideration of the above criteria. Where the above criteria cannot be met for any proposed ancillary facility, the Proponent shall demonstrate to the satisfaction of the Director-General that there will be no significant adverse impact from that facility's construction or operation. Such assessment(s) can be submitted separately or as part of the Construction Environmental Management Plan.</p> | Section 2 |

| MCoA No | Condition / Commitment Requirements | Plan Ref. |
|---------|---|---|
| E30 | <p>The Director General's approval is not required for minor ancillary facilities (e.g. lunch sheds, office sheds and portable toilet facilities and minor stockpiles) that do not comply with the criteria set out in condition E29 of this approval and which:</p> <ul style="list-style-type: none"> a) are located within an active construction zone within the rail corridor; b) have been assessed by the Environmental Representative to have: <ul style="list-style-type: none"> i) minimal amenity impacts to surrounding residences, with consideration of matters such as noise and vibration impacts, traffic and access impacts, dust and odour impacts and visual (including light spill) impacts; and ii) minimal environmental impact in respect to waste management, listed flora and fauna communities, soil and water and heritage not beyond those approved for the project; and c) have environmental and amenity impacts that can be managed through the implementation of environmental measures detailed in a site specific Environmental Control Map, consistent with the measures identified in the Construction Environmental Management Plan for the project. | Attachment A |
| E34 | <p>As part of the Construction Environmental Management Plan for the SSI required under condition E33 the Proponent shall prepare and implement:</p> <ul style="list-style-type: none"> • a Construction Compound and Ancillary Facilities Management Plan to detail the management of Ancillary Facilities associated with the SSI. The Plan shall include but not be limited to: <ul style="list-style-type: none"> (i) a description of each facility, its components and the surrounding environment; (ii) details of the activities to be carried out at each facility, including the hours of use and the storage of dangerous and hazardous goods; (iii) an assessment against the locational criteria outlined in condition E29 (iv) details of the mitigation and management procedures specific to the facility that would be implemented to minimise environmental and amenity impacts and an assessment of the adequacy of the mitigation or offsetting measures; (v) identification of the timing for the completion of activities at the facility and how the site will be decommissioned (including any necessary rehabilitation); and (vi) mechanisms for the monitoring, review and amendment of this plan. | <p>This Plan</p> <p>Section 2-1, Table 2-2</p> <p>Section 2-2 Section 2-3 Section 2-4</p> <p>Table 2-2 Table 2-7 Section 2-4</p> <p>Section 4.1-4.4 Attachment A & D</p> <p>Section 2-2 Section 2-3 Section 2-4 Attachment A & D</p> <p>Section 5.1-5.5</p> |

1.7. Revised environmental mitigation measures

Table 1.2 outlines the Revised Environmental Mitigation Measures (REMM) from the EIS and submissions report, including outcomes to be achieved, reference to the timing of when the REMM applies and where the REMM is addressed within this Plan. Other REMMs not specifically identified below would be managed through the implementation the other sub-plans where relevant.

Table 1-2 – REMM relevant to this Plan

| REMM No. | Key Action | Plan Ref. |
|----------|---|--------------|
| J.7 | During construction planning, the project shall seek to minimise the use of potable water and to identify any potential alternate water sources, including recycled water. | Attachment A |
| J.8 | The CEMP would include measures to manage the potential impacts of construction compound operations. This would include inputs into the traffic management plan to ensure that vehicle movements to and from construction compounds do not impact on surrounding receivers. | Attachment A |
| L.4 | Equipment storage, stockpiling of resources and vehicle access would be restricted to designated areas situated on cleared land, where practicable. | Attachment A |
| M.2 | The construction noise and vibration plan would specifically address the issue of construction traffic noise and identify measures to minimise construction traffic noise impacts. | Attachment A |
| N.3 | Minimise light spill from the rail corridor into adjacent visually sensitive properties by directing construction lighting into the construction areas and ensuring the site is not over-lit. This includes the sensitive placement and specification of lighting to minimise any potential increase in light pollution. | Attachment A |
| N.5 | Work/site compounds would be screened, with shade cloth (or similar material) (where necessary) to minimise visual impacts from elevated locations. | Attachment A |
| N.6 | Graffiti would be required to be managed by the contractor throughout construction. | Attachment A |
| N.9 | Materials and machinery should be stored tidily during the works. | Attachment A |
| O.6 | Limit off-site construction vehicle parking to designated areas. Areas of temporary on-street parking during peak construction events would be identified in the traffic management plans to minimise the impact on surrounding properties and businesses. | Attachment A |
| O.7 | The queuing and idling of construction vehicles in residential streets would be minimised. | Attachment A |
| O.14 | Where required, improvements to the existing access tracks within the rail corridor would be provided to facilitate safe construction vehicle access into/out of the construction compounds. | Attachment A |
| O.26 | Left-in and left-out only vehicle movements would be provided at construction worksites EIS 1 and EIS 6 at the following locations: <ul style="list-style-type: none"> • into and out-of construction compound EIS 1 from Beecroft Road; • at the Beecroft Road/Old Beecroft Road intersection; • at the Beecroft Road/The Crescent/Kirkham Road intersection; and • into and out-of construction compound EIS 6 from Yarrara Road. | Attachment A |

| REMM No. | Key Action | Plan Ref. |
|----------|--|--------------|
| O.27 | Site accesses for construction compounds would be designed so that left-in-left out movements occur within existing kerbside lanes, vehicles do not encroach onto the wrong side of the road when entering or leaving the sites and all vehicles can enter and exit the sites in a forward direction. Where this is not feasible, consultation would be undertaken with Hornsby Shire Council or RMS (depending on road ownership) and Traffic Management Centre (TMC) to determine appropriate traffic management measures | Attachment A |
| R.4 | No stockpiles of materials or storage of fuels or chemicals would be located within high/medium flood risk areas or adjacent to existing drainage culverts. | Attachment A |
| R.6 | All fuels, chemicals and hazardous liquids would be stored within bunded area in accordance with Australian standards and EPA Guidelines. | Attachment A |
| R.7 | Emergency spill kits would be kept on-site at all times. All staff would be made aware of the location of the spill kits and trained in their use. | Attachment A |
| R.8 | Construction plant, vehicles and equipment would be refuelled off-site, or in designated re-fuelling areas located at a minimum distance of 50 metres from drainage lines or waterways. | Attachment A |
| T.1 | 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 off-site (where required). | Attachment A |

1.8. Environmental Protection Licence

[Environmental Protection Licence \(EPL\) 20287](#) has been obtained by the Alliance for the construction of the scheduled activity "railway systems activities" including ancillary facilities and compounds. The current version of this licence can be downloaded from the EPA Public Register.

1.9. TSR E1 Environmental Management

TfNSW's TSR E1 requirements relevant to this Plan are listed in Attachment A and are incorporated where applicable into the CEMP and Sub Plans for the project.

1.10. Roles and responsibilities

The Project Team's organisational structure and overall roles and responsibilities for ancillary facilities and compound management are as follows:

Table 1-3 – Roles and responsibilities

| Title | Roles, Responsibilities and Authorities relevant to this plan |
|----------------------|--|
| Alliance Manager | <ul style="list-style-type: none"> Ensuring appropriate resources are available for the implementation and maintenance of mitigation and management measures for ancillary facilities in accordance with the relevant. |
| Construction Manager | <ul style="list-style-type: none"> Understand the requirements of and be responsible for the on-site implementation of the ECM and documentation. Ensure that all Project personnel involved in the establishment and use of this compound receive appropriate inductions and are aware of their individual responsibilities regarding environment management and compliance at this compound. |

| Title | Roles, Responsibilities and Authorities relevant to this plan |
|---|---|
| Site Foremen | <ul style="list-style-type: none"> • Ensure that the environmental mitigation measures and strategies outlined in the ECM, relevant assessments and CEMP that relate to site establishment and operation are implemented. • Ensure that all environmental incidents are reported immediately. • Ensure that all complaints are reported immediately. • Comply with directions from environmental personnel regarding corrective and preventative actions to address environmental issues and non-compliance. • Deliver environmental awareness training (toolbox talks, pre-start briefings) etc as required. |
| Project Engineers | <ul style="list-style-type: none"> • Ensuring that appropriate ancillary facility management measures are implemented and maintained on site; and • Implementing appropriate corrective or preventative actions to fulfil the requirements of this Plan. |
| Safety Health Environment and Community Manager | <ul style="list-style-type: none"> • Ensure the adjacent community is provided with relevant information in a timely manner regarding the establishment and use of ancillary facilities. • Receive and respond to complaints relating the establishment and use of ancillary facilities in consultation with the Environmental Manager and Construction Manager as required. • Ensure an ancillary facility management plan is developed to meet the commitments and requirements of all Project environmental documentation and approval conditions. • Provide advice to Project personnel involved in the establishment and use of this compound regarding implementation of the ECM, CEMP and general environmental compliance. • Liaise with the ER as required regarding ancillary facility locations. • Ensure that environmental awareness training for ancillary facilities includes appropriate content relevant to the compound and is delivered in a timely manner. • Ensure that environmental inspection, monitoring and auditing programs adequately assess environmental performance. • Ensure that corrective and preventative actions to address environmental compliance issues are adequately implemented. |
| Environmental Coordinator (EC) | <ul style="list-style-type: none"> • Assist in development and delivering of environmental training and awareness programs relating to the establishment of the compound. • Undertake documented environmental inspections and report to the Environmental Manager. • Monitor the implementation of appropriate mitigation measures to address any issues identified during site inspections. |

| Title | Roles, Responsibilities and Authorities relevant to this plan |
|------------------------------|---|
| Construction Personnel | <ul style="list-style-type: none"> • Attend all Project inductions and environmental awareness training relevant to the ancillary facility. • Understand and comply with environmental responsibilities. • Consider potential impacts to the surrounding environment and community at all times while on-site and act appropriately to minimise or avoid potential impacts. • Notify any environmental incidents, near misses and hazards to their direct supervisor (or higher) immediately. • Notify any complaints to their direct supervisor (or higher) immediately. |
| Environmental Representative | <ul style="list-style-type: none"> • Provide guidance on the selection of ancillary facilities and compounds in accordance with the MCoA and the ancillary facility management plan. • Approve additional ancillary facilities and construction compounds in accordance with conditions of approval including the CCAFMP. • Impose additional mitigation and management measures for an ancillary facility following inspection and/or in response to complaints. • Have responsibility for considering and advising the Proponent on matters specified in the conditions of this approval, and other licences and approvals related to the environmental performance and impacts of the SSI; • Undertake environmental inspections and auditing in accordance with the project Environmental Management System(s); and • Be given the authority and independence to require reasonable steps be taken to avoid or minimise unintended or adverse environmental impacts, and failing the effectiveness of such steps, to direct use of the facility be ceased immediately should an adverse impact on the environment be likely to occur. |

2 Identify and assess

2.1. Introduction

Ancillary facilities are defined under the Minister's Approval as a *Temporary Facility for construction, including for example an office and amenities compound, construction compound, batch plant (concrete or bitumen), materials storage compound, maintenance workshop, testing laboratory or long-term (greater than six months) material stockpile area.*

Section 5.7.4 of the EIS described construction compounds and sites which form a key component of the ETTT project. Table 5.3 of the EIS specifically identified six potential locations along the alignment. Further, the EIS identified that additional assessment of additional sites would need to be undertaken where appropriate.

The Construction Environmental Management Plan (CEMP) prepared by ETTT Alliance (of which this CCAFMP forms a Sub-Plan) states that temporary satellite compounds are required for the project due to the linear nature of the project, contractors involved and multiple worksites. These compounds are likely to include:

- Gravel placed across area for all weather access;
- Shipping containers for tools and equipment;
- Small offices;
- Pump out sewer system/portable toilets (where systems cannot be connected to sewer lines);
- Workshop;
- Limited parking;
- Crib sheds;
- Generators;
- Bunded storage of chemicals (e.g. fuel);
- Storage of materials, lay down and / scaffold; and
- Fencing and security.

A number of short-term stockpile sites and lay down areas will also be required along the project alignment to enable the management of topsoil and spoil material. Stockpiles will require erosion and sediment control to limit sediment and erosion impacts and a Progressive Erosion and Sediment Control Plan (PESCP) where required.

Detailed design has now determined that the six sites identified in the EIS, and additional ancillary facilities are required to support the project, together with additional minor and short-term ancillary facilities such as lay down areas, stockpiles and crib sheds

This section describes the ancillary facilities required for the project, with the relevant sections describing the aspects, impacts and risks and control measures associated with the facilities. Where required (as is the case of the former Epping Bowling Club) ancillary facilities requiring Director General approval, will be submitted to the Department of Planning and Environment.

As it is not practical prior to the commencement of construction to determine the exact location and number of minor short-term facilities that may be required for the project, a decision-making framework consistent with CoA E30 has been developed for these (depicted in Attachment B). A general description of the types of activities that would occur on these sites is provided in Section 2.4. The assessments described in Section 5 would apply to all ancillary facilities where applicable.

Control measures identified in Attachment A and the CEMP and Sub Plans where relevant would apply as a minimum and reflected within the Environmental Control Plan developed for the site. Additional control measures may be implemented in response to assessment of impacts by the project and/or by the Environmental Representative.

2.2. Approved facilities identified in the EIS

Six compound locations were identified and assessed through section 5 of the EIS. All six will be required for the delivery of the project and are described in Table 2-1 below; sections 2.2.1- 2.2.6 and Attachment D. Sites are depicted in Figures 2.2.1 to 2.2.5. Condition E29 reflects this position and that each compound was assessed as part of the EIS (as it was a document approved under B1). Table 2-3 provides an overview of compliance against CoA E29.

Each compound location is located beside or within the proposed project, have been designed to avoid heritage areas and above flood levels. Further, they are located greater than 50m from designated watercourses and located on relatively level land.

With respect to traffic impacts, sites have been selected to allow for efficient movement of plant and equipment, minimising the need to travel through residential areas and maximise use of the arterial road network. Each site will require the preparation of a Traffic Control Plan which will detail the measures to manage the interaction between construction traffic and resident vehicles and pedestrian and cyclists.

Management and mitigation for each site will be undertaken in accordance with the measures identified in Attachment A. This includes site specific Environmental Control Maps which will be consistent with measures identified in the Construction Environmental Management Plan

Table 2-1 – Construction compound sites

| | Location | Use of Site | Access | Period of Use |
|-------|--|---|---|------------------------------|
| EIS 1 | Existing bus flyover roadway to the south of the M2 | Used for works south of the M2 including bridge construction and materials storage. | Bus underpass and Cambridge Street to Epping Road | August 2013 to June 2016 |
| EIS 3 | Cheltenham Station in the vicinity of the existing car park | Material handling and storage. Cheltenham Station construction. | The Crescent, Cheltenham | August 2013 to December 2016 |
| EIS 4 | Within the rail corridor to the south of the Beecroft scout hall | One way truck access/egress compound. Materials handling and storage. Storage and removal of spoil. Major excavation works | The Crescent, Beecroft | August 2013 to December 2016 |
| EIS 6 | Within the rail corridor to the west of Pennant Hills Station | Materials handling and storage. Pennant Hills Station construction. Excavation and retaining wall construction. | Yarrara Road | August 2013 to December 2016 |

Site compounds would generally be established and used during the daytime period, however evening and night time use would occur where the compound is used to support night works. The use of these compounds out of standard construction hours would be included in any out of hour's works application such as EPL variation applications. A description of the activities at each location is described in Table 2-2.

Table 2-2 – Activities proposed at each approved compound

| Site Components identified in EIS | EIS site 1 | EIS site 3 | EIS site 4 | EIS site 6 |
|--|------------|------------|------------|------------|
| Small Office | Yes | Yes | No | Yes |
| Amenities (i.e. Toilets/First Aid and meal room) | Yes | Yes | Yes | Yes |
| Container(s) | Yes | Yes | Yes | Yes |
| Lay down | Yes | Yes | Yes | Yes |
| Hazardous and Dangerous Goods Storage | Yes | Yes | No | Yes |
| Light vehicle parking | Yes | Yes | Yes | Yes |
| Stockpile(s) | No | No | Yes | Yes |
| Workshop | No | No | No | No |

2.2.1. EIS Location 1

Location 1 is located in Epping within the area bounded by Beecroft Road, M2 Motorway and the rail corridor. A large portion of the site was formerly the Beecroft Road bus flyover and has been subject to significant disturbance, including clearing and installation of a bitumen hard stand. This location and presence of existing transport corridors would have a major influence on the ambient environment and resultant amenity impacts are unlikely.

Components for the facility are described in Table 2-2 with parking for 15 vehicles proposed. The site (S1) is depicted in Figure 2.2.1 on the following page.

The nearest residents are located approximately 50m away on Kandy Avenue and are partially screened by existing vegetation. The rail line provides physical separation to residents south of the rail line.

The Access to the site will be via the former roadway, with left in-left out movements proposed, unless suitable traffic controls are implemented, and approved as part of the Traffic Control Plan for this location.

Vegetation within the compound footprint has been classified as a mix of Coastal Shale Sandstone Forest and Exotic vegetation/groundcover. Vegetation impacts have been assessed as part of the EIS. Heritage bushland adjoins the site to the south-east and is separated by the pedestrian/cyclist tunnel and by Beecroft Road. Devlins Creek causeway is located to the north.

Heritage items will not be impacted by compound establishment or operation.

Devlins Creek runs beside the compound. Drainage for EIS 1 will utilise existing formal systems following decommissioning of the bus way.

Further details on the compound can be found in section 5.7.4 of the EIS and associated technical reports.

2.2.2. EIS Location 3

EIS location 3 is located at Cheltenham Station which is primarily a residential area. Whilst a row of properties are likely to face the compound, each site will be screened to minimise impacts. Additionally, as the properties also face the rail corridor, the likelihood of noise and amenity impacts directly attributable to the construction and/or operation of the compound remain negligible.

Parking has been provided next to the station precinct on the up-side for approximately 50 vehicles. The parking area is within an area of cleared vegetation and situated so as to reduce the construction workforce demand on commuter and on-street parking areas.

No impacts to heritage items or structures are proposed in the area with vegetation comprising exotic woody communities or Blackbutt gully forest. These areas will require clearing as part of the station's redevelopment, which forms an approved part of the project.

The surface of the compound will be cleared and sealed to provide a stable surface which also limits dust generation, particularly through vehicular movements.

Existing cross and surface drainage will remain, with the compound draining into the cess, and into culverts already in operation.

The site (S3) is depicted in Figure 2.2.2 and further details on the compound can be found in section 5.7.4 of the EIS and associated technical reports.

2.2.3. EIS Location 4

EIS location 4 is located at The Crescent, Beecroft and falls within 200m of nearby residents. The area contains a strip of established vegetation which separates the rail corridor and properties. This is likely to filter views to residents. Along this corridor, ancillary facilities are to be limited to essential requirements, such as toilets, crib huts and stockpile/lay down areas. Activities would be directly within the rail corridor and therefore, impacts would be inaudible due to general construction noise along the alignment generally, the existing rail corridor and Beecroft Road.

The compound is not proposed to impact on items of Heritage significance, beyond that identified in the EIS.



Vegetation in this area forms the project footprint and was assessed as part of the EIS. Communities in this area are a mix of exotic woody vegetation and acacia woodlands. As with EIS 2 and 3, the site will be made level and a gravel base rolled and a chip seal installed. The chip seal serves to limit dust generation.

Access to the site will be via an existing gate off Sutherland Road. Due to the constrained nature of the corridor, limited on-site parking would be possible.

The site (S4) is depicted in Figure 2.2.3 and further details on the compound can be found in the EIS and associated technical reports.

Figure 2.2.2- EIS Compound Location 3



Figure 2.2.3- EIS Compound Location 4



2.2.4. EIS Location 6

EIS 6 is located along a strip of land between Pennant Hills Road, the railway line, Yarrara Road and Pennant Hills Station. Due to a need to provide access to the station, the area is split into two. Neighbouring land use in this precinct is commercial with gradual transition into recreational and residential uses north of the station.

Residential properties are within 200m of the compound to the southern corner of the compound although, are separated by Pennant Hills Road. This arterial road carries high traffic volumes and it is therefore anticipated that noise and/or amenity impacts are negligible due to ambient noise levels throughout the day.

Vegetation communities in this area are a mix of Sydney Hinterland Transition Woodland and Exotic woody vegetation and groundcover. These communities were assessed as part of the EIS project footprint and impacts approved as part of the project.

The southern portion of the site was formerly a tile shop which will be demolished as part of the project. Removal of the structures and building waste will be required to prepare the site for the compound and excess fill removed to form a level surface for structures.

The site has not been identified as a heritage item and drainage in the area would utilise existing Council stormwater systems.

On-street parking is prohibited in this area (unless otherwise approved as part of a Road Occupancy Licence) with on-site parking for 30 vehicles provided. Access to Yarrara Road would be left-in left-out movements only, unless under traffic control.

Figure 2.2.4- EIS Compound Location 6



Table 2-3 Comparison of the EIS sites against the MCoA

| MCoA Requirement | EIS site 1 | EIS site 3 | EIS site 4 | EIS site 6 |
|---|------------|------------|------------|------------|
| Unless otherwise approved by the Director General, the location of Ancillary Facilities not identified in the documents listed under B1 shall: | | | | |
| a) be located more than 50 metres from a waterway; | Yes | Yes | Yes | Yes |
| b) be located as close as possible to where the SSI is being carried out; | Yes | Yes | Yes | Yes |
| c) have ready access to the road network; | Yes | Yes | Yes | Yes |
| d) be located to minimise the need for heavy vehicles to travel through residential areas; | Yes | Yes | Yes | Yes |
| e) be sited on relatively level land; | Yes | Yes | Yes | Yes |
| f) be separated from nearest residences by at least 200 metres (or at least 300 metres for a temporary batching plant); | No | No | No | No |
| *NB each site was listed in the EIS, a document listed under B1 (and was assessed as part of the EIS). | | | | |
| g) not require vegetation clearing beyond that already required by the SSI; | No | No | No | No |
| *NB clearing of non-native species is required (and was assessed as part of EIS). | | | | |
| h) not impact on heritage items (including areas of archaeological sensitivity) beyond those already impacted by the SSI; | Yes | Yes | Yes | Yes |
| i) not unreasonably affect the land use of adjacent properties; | Yes | Yes | Yes | Yes |
| j) be above the 20 ARI flood level unless a contingency plan to manage flooding is prepared and implemented; and | Yes | Yes | Yes | Yes |
| k) provide sufficient area for the storage of raw materials to minimise, to the greatest extent practical, the number of deliveries required outside standard construction hours. | Yes | Yes | Yes | Yes |

2.3. Other facilities identified through detailed design

Three other ancillary facilities that have been identified as a result of detailed construction planning for the project are still in use:

- Pennant Hills Corporate Office;
- Epping Bowling Club (subject to a separate approval from the Director General); and
- 1A Talavera Rd, North Ryde Compound;

All sites have been assessed in separate documents for compliance with relevant MCoA criteria. An overview of the assessment for ancillary facilities is provided in Table 2.8. The assessment found that Pennant Hills Corporate Office, and 1A Talavera Road Compound were compliant with the MCoA criteria. Site specific management and mitigation measures arising from these assessments are located in Attachment A.

The former Epping Bowling Club Compound does not meet the distance requirement and requires Director General approval and is subject to a separate assessments. A description of the activities currently envisaged at each location is described in Table 2-7. Where activities change following further assessment, they will be assessed accordingly as per the MCoA.

Table 2-7– Activities currently proposed at each compound

| Site Components | Pennant Hills Corporate | Epping Bowling Club (separate approval by DP&E) | 1A Talavera Road Compound (separate approval by DP&E) |
|---------------------------------------|-------------------------|---|---|
| Offices | Yes | Yes | Yes |
| Amenities | Yes | Yes | Yes |
| Container(s) | No | Yes | Yes |
| Lay down | No | Yes | Yes |
| Hazardous and Dangerous Goods Storage | No | Yes | Yes |
| Light vehicle parking | Yes | Yes | Yes |
| Stockpile(s) | No | No | Yes |
| Plant and Heavy vehicle parking | No | No | Yes |
| Crushing and Screening | No | No | No |

2.3.1. Compliance with Minister’s Conditions of Approval

As outlined under MCoA E29 unless otherwise approved by the Director-General, the location of ancillary facilities must meet certain criteria. This CCAFMP describes and seeks approval for the known ancillary facilities described above.

Table 2.8 following lists the criteria provided by the MCoA and identifies that the sites do not require further approval as they meet this criterion. Management and mitigation measures for each facility are identified in the wider CEMP, with specific measures arising from specialist assessments identified in Attachment A. The outcomes of these assessments will form the basis for the Environmental Control Maps for the project.

Table 2-8 MCoA criteria for ancillary facilities

| MCoA Requirement | Epping Bowling Club (separate approval by DP&E) | Pennant Hills Corporate | 1A Talavera Road Compound (separate approval by DP&E) | 1A Talavera Road Compound Expansion (separate approval by DP&E) |
|---|--|----------------------------|--|---|
| a) be located more than 50 metres from a waterway; | Yes | Yes | Yes | The land is within this zone and requires a culvert to be extended over an unnamed drainage line. |
| b) be located as close as possible to where the SSI is being carried out; | Yes | Yes | Yes | Yes |
| c) have ready access to the road network; | Yes | Yes | Yes | Yes |
| d) be located to minimise the need for heavy vehicles to travel through residential areas; | Yes | Yes | Yes | Access to and from both Epping Rd and Pittwater & Wicks Roads avoids residential areas. |
| e) be sited on relatively level land; | Yes | Yes | Yes | Yes |
| f) be separated from nearest residences by at least 200 metres (or at least 300 metres for a temporary batching plant); | No | Approved CDC 258/2013 | Yes | Yes |
| g) not require vegetation clearing beyond that already required by the SSI; | Yes | Yes | Yes | Clearing of mainly weed species. No EEC. |
| h) not impact on heritage items (including areas of archaeological sensitivity) beyond those already impacted by the SSI; | Yes | Yes | Yes | Yes |
| i) not unreasonably affect the land use of adjacent properties; | Yes | Yes | Yes | Yes |

| MCoA Requirement | Epping Bowling Club (separate approval by DP&E) | Pennant Hills Corporate | 1A Talavera Road Compound (separate approval by DP&E) | 1A Talavera Road Compound Expansion (separate approval by DP&E) |
|--|--|----------------------------|--|---|
| be above the 20 ARI flood level unless a contingency plan to manage flooding is prepared and implemented; and | Yes | Yes | Yes | Yes Storage will be above the 20 year ARI flood level |
| provide sufficient area for the storage of raw materials to minimise, to the greatest extent practical, the number of deliveries required outside standard construction hours. | Yes | Yes | Yes | Yes |
| DP&E Approval dates | 15 October 2013 | | 2 June 2014 | 29 June 2014 |

2.4. Other Minor Ancillary Facilities

As discussed in Section 2.1, it is not practical prior to the commencement of construction to determine the exact location and number of minor facilities that may be required. Further, the establishment, use and decommissioning of ancillary sites such as stockpile locations is highly dynamic. Therefore a decision making framework has been developed for these facilities. The Decision Framework is based on the requirements of Condition E30 for the ETTT project.

For any additional ancillary facilities required for the project that are not listed and described in this CCAFMP, project staff must complete the Ancillary Facility Permit (Attachment C). If the assessment determines that the additional facility is permitted, it must be approved by the Environmental Representative (ER). The Permit process provides scope for the ER to require additional or specific environmental controls for the site, such as pollution control devices, temporary screening or fencing, hours of operation or 'no go' sensitive areas. The approval along with any additional assessment will be integrated within Attachment C.

Key principles whether to consider an ancillary facility include:

- a. Whether they are located within an active construction zone within the rail corridor;
- b. Have been assessed by the Environmental Representative to have:
 - i. minimal amenity impacts to surrounding residences, with consideration of matters such as noise and vibration impacts, traffic and access impacts, dust and odour impacts and visual (including light spill) impacts; and
 - ii. minimal environmental impact in respect to waste management, listed flora and fauna communities, soil and water and heritage not beyond those approved for the project; and
- c. have environmental and amenity impacts that can be managed through the implementation of environmental measures detailed in a site specific Environmental Control Map, consistent with the measures identified in the Construction Environmental Management Plan for the project.

3 Implement controls

3.1. Construction Environmental Management Plan

In accordance with MCoA E33 a Construction Environmental Management Plan (CEMP) must be developed and approved by the Director General prior to the commencement of construction. The CEMP identifies a range of mitigation and management measures which must be employed for the project throughout construction and assigns roles and responsibilities to each.

Ancillary Facilities and Construction Compounds are proposed to be managed in accordance with the CEMP and sub plans along with measures in Attachment A of this document. Ancillary facilities required prior to the CEMP being approved will be managed in accordance with the approval documentation and relevant Environmental Control Map (ECM) which will be developed for the ancillary facility and/or compounds.

3.2. Environmental Control Maps (ECM)

An Environmental Control Map (ECM) is a document prepared to assist in the planning and delivery of construction works. An ECM is specific to a work area and/or work activity that identifies the location of physical protection measures, work method controls and monitoring requirements to minimise the impact of construction activities on the environment and community in and adjoining a specific work area.

The ECM allows for a focused risk based assessment of specific work areas and activities environmental/community impacts, and is a practical document to assist the contractor in implementing environmental plans and policies.

Each compound/ancillary facility will be required to have an ECM developed prior to pre-construction activities commencing and will be implemented for the duration of the facility. Where applicable, the ECM may contain the following information:

- The worksite layout and boundary, including entry/exit points, parking and internal roads.
- Construction traffic routes and management measures.
- Location of adjoining land-use and nearest noise sensitive receivers.
- Location and type of dust, sediment and erosion control measures.
- Hours of work (including deliveries) and location of noise mitigation measures.
- Location of environmentally sensitive areas (e.g. threatened species, critical habitat, contaminated areas, heritage, etc).
- Vegetation and trees to be protected.
- Location of known heritage (indigenous and non-indigenous) items.
- Location of waste facilities, spill containment and clean-up equipment.
- Contours and/or direction of slope/s and location of stormwater drainage and watercourses leading to/from the worksite.
- Construction Response Line number (1800 775 465) and contact details (including after hours) for key staff.

3.3. Progressive Erosion and Sediment Control Plan

Progressive ESCP's will be prepared for all ancillary facilities and construction compounds prior to the commencement of pre-construction activities and installation of control measures. The ESCP's contain site specific details including identifying stockpile locations and additional actions for management of spoil. As their name implies, these are developed as the project progresses and as site conditions evolve and flow paths are altered, e.g. the reshaping of drainage lines to direct sediment laden water.

The progressive ESCP's will generally be prepared on detailed drainage design sheets and would incorporate:

- a layout of the site, including location of access roads, ancillary infrastructure, cleared and protected areas and stockpiling areas;
- the location of temporary and permanent erosion, sedimentation and water quality control measures proposed to treat stormwater before disposal (including vegetated treatment systems);
- construction period and staging.

Information relevant to the preparation of the PESCP is obtained from *Managing Urban Stormwater: Soils and Construction Volume 1* (Landcom 2006) (the Blue Book") and *Volume 2D Main Roads Construction* (DECCW 2008) and site specific soil data.

The Environmental Co-ordinator, in consultation with the Soil Conservationist, Superintendents/Foremen and Environmental Manager, would prepare and update the Progressive ESCP's.

3.4. Construction Noise and Vibration Impact Statements

Further noise assessment may be carried out in the form of Construction Noise and Vibration Impact Statements (CNVIS) for large scale construction compound sites and key ancillary facilities for the project not already assessed under the EIS or within the submissions report.

These CNVISs will identify potentially affected noise receivers and determine the potential noise impacts during construction and operation of the compounds and measures to minimise noise and vibration impacts on the surrounding community. In developing appropriate mitigations measures, the following would be considered:

- potential for sleep disturbance;
- interruption to schools and students' after school home studies; and
- impacts to the general amenity of adjacent residents and other sensitive receivers such as aged care facilities, schools and the like.

In order to develop accurate and comprehensive CNVISs for work components associated with the Project, specific details of the construction methodology, including the size and type of equipment is required.

Mitigation measures will be detailed in the CNVIS for ancillary facilities and compounds where required.

3.5. Traffic Control Plan

Traffic control Plans (TCPs) objective is to provide a safe work area for both its workers and general public while maintaining the road network operational capacity by minimising lane closures and traffic stoppage during peak traffic periods and operate within the Road Occupancy Licence (ROL) conditions. The TCP generally details the following:

- Traffic control signage and traffic flow arrangement;
- Work area;
- Speed limits;
- Direction of construction traffic and if necessary reversing arrangements;
- Parking locations (both construction and public); and
- ROL conditions (if applicable).

For sites with access to/from the road network, plans shall be developed and shall be made available to any relevant road authority if requested.

3.6. Adequacy of Measures

The CEMP, as a whole details the proposed management measures for the construction phase of the entire project. This includes structures, earthworks and rail infrastructure. Further, the CEMP is supplemented by a range of sub plans including noise and vibration, traffic, soil and water, air quality, heritage and flora and fauna.

Construction and operation of compounds and minor ancillary facilities form a discrete component of the wider project and mirror key construction phases (i.e. vegetation clearing for site establishment, earthworks to create a suitable site surface). Ongoing management employs similar principles to that identified in the wider CEMP (e.g. use of water carts to suppress dust, approved hours of operation, soil, water and weed management).

These measures are considered adequate for ongoing compound management and will be supplemented by specific controls arising from documents prepared in 3.2-3.5 where appropriate.

3.7. Rehabilitation Requirements

Prior to decommissioning of each facility, the landowner will be consulted regarding requirements for rehabilitation and measures agreed to return the site to at least pre-construction condition, unless otherwise agreed by the landowner in accordance with MCoA E31. In the case of construction compounds and ancillary facilities, introduction of rehabilitation measures shall be commenced prior to commencement of operations of the project as required by MCoA E28.

3.8. Other assessments

Other desktop assessments (such as Ecology, Heritage and Contamination) may be required for certain sites to determine the level of impact and resultant management and mitigation measures for a proposed facility.

4 Consult and communicate

4.1. Stakeholder consultation

During exhibition of the EIS, consultation was undertaken with the local community through community information sessions and offers of face-to-face noise meeting for those deemed to be highly affected. Agencies and Councils along the corridor were also consulted.

The EIS nominated a range of compounds likely to be required as part of the project and identified that additional sites may be required as detailed design and construction requirements were known.

Based on this approach stakeholders and the community would be informed through the stakeholder and community involvement plan for the project.

4.2. Training and awareness

As stated in the CEMP, all Project personnel, sub-contractors, consultants and visitors will receive training into Project and their personal environmental obligations during inductions, toolbox talks and specific training. The induction training will address:

- the existence and requirements of this sub-plan;
- relevant legislation;
- specific issues, areas for protection or management or mitigation measures;
- spoil stockpile location and management measures;
- soil and water issues;
- fauna rescue requirements;
- weed control measures; and
- required dust and noise controls

Records would be kept of all personnel undertaking the site induction and training, including the contents of the training, date and name of trainer/s.

Key staff will undertake more comprehensive training relevant to their position and/or responsibility. This training may be provided as “toolbox” training or at a more advanced level by the Environmental Manager. Further details regarding the content of staff induction and training are outlined in the CEMP.

Ongoing toolbox talks will highlight the specific environmental requirements for activities being undertaken at each worksite. These will be based on the measures outlined in the relevant Plans.

5 Review and monitor

5.1. Monitoring, inspection and reporting of this Plan

Inspections of the ancillary facilities will occur for the duration of the project. As detailed in the CEMP, a weekly environmental inspection checklist will be employed in addition to daily visual inspections to ensure mitigation measures and environmental controls are working effectively.

Where deficiencies in controls or systems are identified, the issue and required action will be managed as described in Section 8 of the CEMP and a record maintained to demonstrate timely action and close out. The Environmental Representative (ER) will inspect the site and compliance against the plan and/or ECM.

5.2. Non-compliance management

Environmental non-conformances for the project will be managed as per the process detailed within Section 8.2 and Table 16 of the CEMP.

5.3. Review and Improvement, including Amendment to the Plan

A management review of the plan will be undertaken to ensure its continuing suitability, adequacy and effectiveness. Reviews will include assessing opportunities for improvement and the need for changes to the system, including the environmental policy and environmental objectives and targets. The management reviews will occur:

- On an annual basis to ensure its continuing effectiveness.
- Where an audit recommends a review.
- Where there are repeat non conformances and these are not closed out within the agreed timeframe.
- As requested by the Environmental Representative.
- As otherwise determined by the Environmental Manager.
- Where compounds are assessed by the Alliance and approved by the Environmental Representative or Director General in accordance with the requirements in MCoA E29.

6 Manage incident

All environmental incidents occurring on the Project will be managed by the Project in accordance with the Incident Management process as described in section 9 of the CEMP.

Incidents relating to ancillary facilities may include but are not limited to:

- constructing and/or operating a compound without necessary approvals in place;
- unapproved activities being carried out at a compound; and
- compounds impacted unreasonably on amenity of neighbouring properties.

Element specific non-conformances such as noise, air quality, traffic will be managed under the respective sub plan within the Construction Environmental Management Plan.

Attachment A

Management and mitigation measures

General note regarding the selection and implementation of mitigation and management measures:

It is noted that the mitigation and management measures outlined in the table below are potentially applicable to construction compound and ancillary facilities as part of the Epping to Thornleigh Third Track Project. Relevant mitigation measures from the tables below will be determined by the Project Engineer(s) in consultation with the Environment Manager and/or Environmental Coordinator(s) and incorporated in site or activity specific work method statements (WMS). WMS will be developed and signed-off by safety, environment and management representatives prior to associated works commencing. Construction personnel will be required to undertake all works in accordance with the safeguards identified in the relevant WMS.

The WMS, CEMP and ECMs form a management guide that clearly identify the required environmental management actions to be undertaken by the Alliance.

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---|---|-----------------------|--|----------------------|
| EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendent, CRM – Community Relations Manager | | | | |
| General | | | | |
| A1 | All ancillary facilities and construction compounds will be managed through the mitigation measures identified in the CEMP. | All | Pre-construction Construction Rehabilitation | MCoA E33 REMM J.8 |
| A2 | Where an ancillary facility has been determined prior to the CEMP being approved, it will be managed in accordance with the approval documentation and Environmental Control Map which details proposed mitigation and management measures for the site. | EM / AM | Pre-construction | MCoAE29 |
| A3 | Site specific measures including locations of all sensitive receivers will be determined and identified on relevant Environmental Control Maps. | EM | Pre-construction | TSR – E1 |
| A4 | Training will be provided to all project personnel, including relevant sub-contractors on ancillary facility management requirements from this plan through inductions, toolboxes and targeted training. | EC / F | Pre-construction Construction | EIS |
| A5 | Control measures from this plan will be included in relevant Work and / or Construction Method Statements. | EC/ PE | Pre-construction Construction | TSR –E1 |
| A6 | Where required, walk over surveys will be undertaken for flora, fauna and heritage of ancillary facilities and construction compounds not previously assessed as part of the project. The surveys, inspections and any subsequent recommendations shall be undertaken under the guidance of a qualified ecologist/archaeologist as relevant and mitigation measures forming conditions of occupation for that area. | EM/ PE/ Consultant | Preconstruction\ Construction | MCoA E29 |
| A7 | Areas of vegetation identified to be retained will be managed as environmentally sensitive areas and fenced at or beyond the drip line. | EO/ F / PE | Preconstruction Construction | Good Practice |
| A8 | Keep WIRES and EPA contact details on site and report to these organisations any injuries caused to protected species of fauna on ancillary facility sites. | EM | Pre-construction Construction | Good Practice |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---|---|----------------|----------------------------------|-------------------------------|
| EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendant, CRM – Community Relations Manager | | | | |
| A9 | Identified weeds will be managed in accordance with the Weed management Strategy identified within the flora and fauna management plan | EC/ F | Pre construction Construction | FFMP MCoA E34(f) |
| A10 | When weeds are present on the Ancillary Facility site, removal shall be guided by, best practice removal and control techniques and any management procedures that may have been developed for particular Noxious Weeds. All staff must be made aware of Noxious Weeds present on the Construction Site and requirements related to the listing under the <i>Noxious Weeds Act 1993</i> . | EC/ F | Pre-constriction Construction | Good practice REMM MCoA |
| A11 | Stop work for unexpected archaeological finds and follow procedures of Construction Heritage Management Plan | EC/ F | Preconstruction Construction | Good practice REMM CHMP |
| A12 | Prevent soil erosion through minimising ground disturbance and using imported gravel to stabilise ground surfaces | EC/ F | Preconstruction Construction | SWMP |
| A13 | A progressive erosion and sediment control plan shall be developed and implemented for each ancillary facility for the life of each site. Plans will be updated where changes to site use, storage and conditions change. | EC/ F | Preconstruction Construction | SWMP |
| A14 | All fuels, chemicals and hazardous liquids would be stored within bunded areas in accordance with Australian Standards and EPA Guidelines. | EC/ F | Preconstruction Construction | REMM R.6 |
| | Installation of segregated bins for recyclable materials and provision of this material to be recycled and reused where possible | EM , CM | Pre-construction Construction | TSR-E1 |
| A16 | A spill kit will be retained at each ancillary facility site that contains chemical or fuel storage facilities. | EC/ F | Preconstruction Construction | Good Practice |
| A17 | Activities undertaken at ancillary facilities shall be used/operated in accordance with their stated hours of operation. Any noise generating out-of-hours activities will be approved in accordance with the noise and vibration management plan and EPL including notification to affected receivers. | EC/ F | Preconstruction Construction | MCoA E29 |
| A18 | Any noise generating activities on ancillary facility sites are to consider the nearest neighbours, wind direction and time of day prior to operation (e.g. grinding, sawing, etc) | EC | Preconstruction Construction | NVMP MCoA E29 |
| A19 | Noise monitoring shall be undertaken in response to complaints if considered necessary by the EM | EC/ F | Construction | CEMP NVMP |
| A20 | Minimise dust generating activities and use a water cart to control dust as required. | EC/ F | Construction | Good Practice CEMP |
| A21 | Dust monitoring will be undertaken in response to complaints if considered necessary by the EM | CM / EM | Construction | Good Practice |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---|--|----------------|----------------------------------|---------------------------|
| EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendent, CRM – Community Relations Manager | | | | |
| A22 | 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 off-site (where required). | EM / E / S | Construction | REMM T.1 TMP |
| A23 | Ancillary facilities shall be constructed to minimise visual impacts where reasonable and feasible on nearby sensitive receivers. Measures may include temporary fencing of particular activities/ items, retention of existing or additional vegetation or incorporating treatments and finishes within key elements in temporary structures. | EM / EC | Preconstruction Construction | Good Practice MCoA E27 |
| A24 | Community complaints will be recorded and actioned in accordance with the Stakeholder and Community Involvement Plan procedures. | CRM | Preconstruction Construction | MCoA D1 |
| A25 | Ancillary facilities sites will be rehabilitated to their pre-use condition or as per a written agreement with the land owner. Rehabilitation shall be commenced prior to commencement of operations of the SSI. | EM | Decommissioning | MCoA E31 MCoA E28 |
| A26 | The weekly environmental inspection checklist will be completed as described in the CEMP and will record ancillary facility management related issues. | EM | Construction | CEMP Good practice |
| A27 | Consultation with potentially affected residents shall be undertaken in accordance with the Stakeholder and Community Involvement Plan. | CRM | Preconstruction Construction | MCoA D1 |
| A28 | Equipment storage, stockpiling of resources and vehicle access would be restricted to designated areas situated on cleared land, where practicable. | CM / EM | Construction | REMM L.4 |
| A29 | The construction noise and vibration plan would specifically address the issue of construction traffic noise and identify measures to minimise construction traffic noise impacts. | CM / EM | Pre-construction | REMM M.2 |
| A30 | Minimise light spill from the rail corridor into adjacent visually sensitive properties by directing construction lighting into the construction areas and ensuring the site is not over-lit. This includes the sensitive placement and specification of lighting to minimise any potential increase in light pollution. | CM / EM | Pre-construction Construction | REMM N.3 |
| A31 | Work/site compounds would be screened, with shade cloth (or similar material) (where necessary) to minimise visual impacts from elevated locations. | CM / EM | Construction | REMM N.5 |
| A32 | Materials and machinery should be stored tidily during the works. | F | Construction | REMM N.9 |
| A33 | Limit off-site construction vehicle parking to designated areas. Areas of temporary on-street parking during peak construction events would be identified in the traffic management plans to minimise the impact on surrounding properties and businesses. | EM | Construction | REMM 0.6 |
| A34 | The queuing and idling of construction vehicles in residential streets would be minimised. | EM | Construction | REMM 0.7 |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---|---|----------------|---|---------------------------|
| EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendent, CRM – Community Relations Manager | | | | |
| A35 | Where required, improvements to the existing access tracks within the rail corridor would be provided to facilitate safe construction vehicle access into/out of the construction compounds. | CM | Pre-Construction Construction | REMM 0.14 |
| A36 | Stockpiles of materials or storage of fuels or chemicals shall not be located within high/medium flood risk areas or adjacent to existing drainage culverts. | CM / EM | Pre-construction Construction | REMM R.4 |
| A37 | Construction plant, vehicles and equipment would be refuelled in designated re-fuelling areas located away from drainage lines or waterways. | CM / EM | Construction | REMM R.8 |
| A38 | During construction planning, the project shall seek to minimise the use of potable water and to identify any potential alternate water sources, including recycled water. | CM / EM | Pre-construction | REMM J.7 |
| A39 | Graffiti would be required to be managed by the contractor throughout construction. | CM | Construction | REMM N.6 |
| A40 | Emergency spill kits would be kept on-site at all times. All staff would be made aware of the location of the spill kits and trained in their use. | EM, EC | Pre-construction Construction | REMM. R.7 |
| A41 | Where activities for an approved ancillary facility are inconsistent, additional assessment of the new impacts will be undertaken as per Attachment C in this document. | CM / EM | Pre-construction | Good Practice |
| A42 | For changes to an ancillary facility where Environmental Representative approval is not possible under A41, an application will be made to the Department of Planning and Infrastructure under MCoA E29. | CM / EM | Pre-construction | Good Practice MCoA E29 |
| A43 | Mitigation measures documented in the Transport for NSW Construction Noise Strategy would be adopted and site specific measures identified in the CNVIS prepared by SKM on 8 July 2013 for site compounds | CM / EM | Pre-construction | Good Practice |
| Site Specific Measures – EIS S1 | | | | |
| A43 | Approved construction limits shall be set out by survey prior to site establishment to confirm the approved impact extents for Heritage and EECs under SSI-5132. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A44 | Sensitive areas, such as the Heritage listed bushland beyond the approved impacts of the SSI shall be fenced off and identified as an environmentally sensitive area prior to commencement of construction. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A45 | Loading and unloading of materials/deliveries is to occur as far as possible from sensitive receivers. | F | Construction | CNVIS |
| A46 | Delivery vehicles to be fitted with straps rather than chains for unloading, wherever possible. | S / F | Construction | CNVIS |
| A47 | Establishment and Operation of the compound shall not physically affect the Heritage listed Devlins Creek causeway | CM/EM | Pre-construction Construction Operation | MCoA C26 |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---|---|----------------|----------------------------------|---------------------------------------|
| EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendent, CRM – Community Relations Manager | | | | |
| A48 | Existing stormwater drainage systems shall be used to convey stormwater from the site. This will be supplemented by a site specific PESCP. | EC | Construction Operation | Good Practice |
| A49 | Plant used intermittently to be throttled down or shut down. | F / EC | Construction Operation | Good Practice |
| A50 | Noise-emitting plant to be directed away from sensitive receivers where possible. | F / EC | Construction Operation | Good Practice |
| A51 | Left-in and left-out only vehicle movements would be provided at construction worksites EIS 1 at the following locations: <ul style="list-style-type: none"> • into and out from Beecroft Road; • at the Beecroft Road/Old Beecroft Road intersection; and • at the Beecroft Road/The Crescent/Kirkham Road intersection. | CM / EM | Pre-construction | REMMT.1 TMP |
| A52 | A Traffic Control Plan (TCP) should be developed and implemented for each Ancillary Facility/ construction compound which requires direct access/egress onto the local/arterial road network. Measures specified in the TCP will be implemented as appropriate for the life of the facility | PE / CM | Pre-construction Construction | Good Practice MCoA E29 MCoA E30 |
| Site Specific Measures – EIS S2 | | | | |
| A53 | Approved construction limits shall be set out by survey prior to site establishment to confirm the approved impact extents for Heritage and EECs under SSI-5132. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A54 | Sensitive areas, such as EEC beyond the approved impacts of the SSI shall be fenced off and identified as an environmentally sensitive area prior to commencement of construction. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A55 | All staff using EIS S2 shall be tool boxed on behaviour when using the site. Key measures to minimise noise include <ul style="list-style-type: none"> • no shouting between work crews (radios or mobile phones (if permitted) should be used); • no swearing in public areas; • radios are to be kept on a low volume; • slamming doors, dropping materials from a height should be avoided; • vehicles not in use should not be left at idle they should be turned off. | All | Construction Operation | CNVIS Good Practice |
| A56 | Loading and unloading of materials/deliveries is to occur as far as possible from sensitive receivers. | EC / F | Construction Operation | CNVIS Good Practice |
| A57 | Compound site access points, parking and roads as far as possible away from sensitive receivers. | CM / S | Construction Operation | CNVIS Good Practice |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---|--|----------------|----------------------------------|---------------------------------------|
| EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendent, CRM – Community Relations Manager | | | | |
| A58 | Dedicated loading/unloading areas are to be shielded close to sensitive receivers. | CM / S | Construction Operation | CNVIS Good Practice |
| A59 | Delivery vehicles to be fitted with straps rather than chains for unloading, wherever possible. | F | Construction Operation | CNVIS Good Practice |
| A60 | Potentially affected receivers will be notified of works in accordance with the requirements of the EPL #20287, and the Alliance community consultation program. Where necessary, implement the additional noise mitigation measures from the TfNSW CNS. | CRM | Construction Operation | CNVIS Good Practice |
| A61 | Undertaking of high noise generating works in close proximity will be coordinated to ensure that the three hours on and one hour off cycle is coordinated reducing cumulative impact on receivers. | F / EC | Construction Operation | Good Practice |
| A62 | Plant used intermittently to be throttled down or shut down. | F / EC | Construction Operation | Good Practice |
| A63 | Noise-emitting plant to be directed away from sensitive receivers where possible. | F / EC | Construction Operation | Good Practice |
| A64 | A row of screening vegetation shall be retained between properties and the compound where possible. Suitable screening shall be installed where this is not possible. | F / EC | Construction Operation | Good Practice |
| A65 | The compound surface shall be sealed with chip seal or similar to minimise dust impacts during construction and operation. | F / EC | Construction Operation | Good Practice |
| A66 | Site accesses would be designed so that left-in-left out movements occur within existing kerbside lanes, vehicles do not encroach onto the wrong side of the road when entering or leaving the sites and all vehicles can enter and exit the sites in a forward direction. Where this is not feasible, consultation would be undertaken with Hornsby Shire Council or RMS (depending on road ownership) and Traffic Management Centre (TMC) to determine appropriate traffic management measures. | CM / EM | Pre-construction | REMM 0.27 TMP |
| A67 | A Traffic Control Plan (TCP) should be developed and implemented for the Ancillary Facility/ construction compound which require direct access/egress onto the local/arterial road network. Measures specified in the TCP will be implemented as appropriate for the life of the facility. | PE / CM | Pre-construction Construction | Good Practice MCoA E29 MCoA E30 |
| Site Specific Measures – EIS S3 | | | | |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|-----|---|----------------|---------------------------|---------------------------|
| A68 | Plant used intermittently to be throttled down or shut down. | F / EC | Construction Operation | Good Practice |
| A69 | Noise-emitting plant to be directed away from sensitive receivers where possible. | F / EC | Construction Operation | Good Practice |
| A70 | The compound shall be screened using blue shade cloth. | F / EC | Construction Operation | Good Practice |
| A71 | The compound surface shall be sealed with chip seal or similar to minimise dust impacts during construction and operation. | F / EC | Construction Operation | Good Practice |
| A72 | The compound shall drain into existing cess and/or stormwater systems. | F / EC | Construction Operation | Good Practice |
| A73 | Loading and unloading of materials/deliveries is to occur as far as possible from sensitive receivers. | EC / F | Construction Operation | CNVIS Good Practice |
| A74 | Compound site access points, parking and roads as far as possible away from sensitive receivers. | CM / S | Construction Operation | CNVIS Good Practice |
| A75 | Dedicated loading/unloading areas are to be shielded close to sensitive receivers. | CM / S | Construction Operation | CNVIS Good Practice |
| A76 | Delivery vehicles to be fitted with straps rather than chains for unloading, wherever possible. | F | Construction Operation | CNVIS Good Practice |
| A77 | Approved construction limits shall be set out by survey prior to site establishment to confirm the approved impact extents for EECs under SSI-5132. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A78 | Sensitive areas shall be fenced off and identified as an environmentally sensitive area prior to commencement of construction. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A79 | Site access would be designed so that left-in-left out movements occur within existing kerbside lanes, vehicles do not encroach onto the wrong side of the road when entering or leaving the sites and all vehicles can enter and exit the sites in a forward direction. Where this is not feasible, consultation would be undertaken with Hornsby Shire Council or RMS (depending on road ownership) and Traffic Management Centre (TMC) to determine appropriate traffic management measures | CM / EM | Pre-construction | REMM 0.27 TMP |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|-----|--|----------------|----------------------------------|---------------------------------------|
| | EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendent, CRM – Community Relations Manager | | | |
| A80 | A Traffic Control Plan (TCP) should be developed and implemented for each Ancillary Facility/ construction compound which requires direct access/egress onto the local/arterial road network. Measures specified in the TCP will be implemented as appropriate for the life of the facility Site Specific Measures – EIS S4 | PE / CM | Pre-construction Construction | Good Practice MCoA E29 MCoA E30 |
| A81 | Approved construction limits shall be set out by survey prior to site establishment to confirm the approved impact extents for Heritage and EECs under SSI-5132. | EM / CM | Pre-construction | Good Practice SSI-5132 |
| A82 | Sensitive areas, such as EEC beyond the approved impacts of the SSI shall be fenced off and identified as an environmentally sensitive area prior to commencement of construction. | EM / CM | Pre-construction | Good Practice SSI-5132 |
| A83 | All staff using EIS S4 shall be tool boxed on behaviour when using the site. Key measures to minimise noise include: <ul style="list-style-type: none"> • no shouting between work crews (radios or mobile phones (if permitted) should be used); • no swearing in public areas; • radios are to be kept on a low volume; • slamming doors, dropping materials from a height should be avoided; • vehicles not in use should not be left at idle they should be turned off. | All | Construction Operation | CNVIS Good Practice |
| A84 | Loading and unloading of materials/deliveries is to occur as far as possible from sensitive receivers. | EC / F | Construction Operation | CNVIS Good Practice |
| A85 | Compound site access points, parking and roads as far as possible away from sensitive receivers. | CM / S | Construction Operation | CNVIS Good Practice |
| A86 | Dedicated loading/unloading areas are to be shielded close to sensitive receivers. | CM / S | Construction Operation | CNVIS Good Practice |
| A87 | Delivery vehicles to be fitted with straps rather than chains for unloading, wherever possible. | F | Construction Operation | CNVIS Good Practice |
| A88 | Potentially affected receivers will be notified of works in accordance with the requirements of the EPL #20287, and the Alliance community consultation program. Where necessary, implement the additional noise mitigation measures from the TfNSW CNS. | CRM | Construction Operation | CNVIS Good Practice |
| A89 | Undertaking of high noise generating works in close proximity will be coordinated to ensure that the three hours on and one hour off cycle is coordinated reducing cumulative impact on receivers. | F / EC | Construction Operation | Good Practice |
| A90 | Plant used intermittently to be throttled down or shut down. | F / EC | Construction Operation | Good Practice |

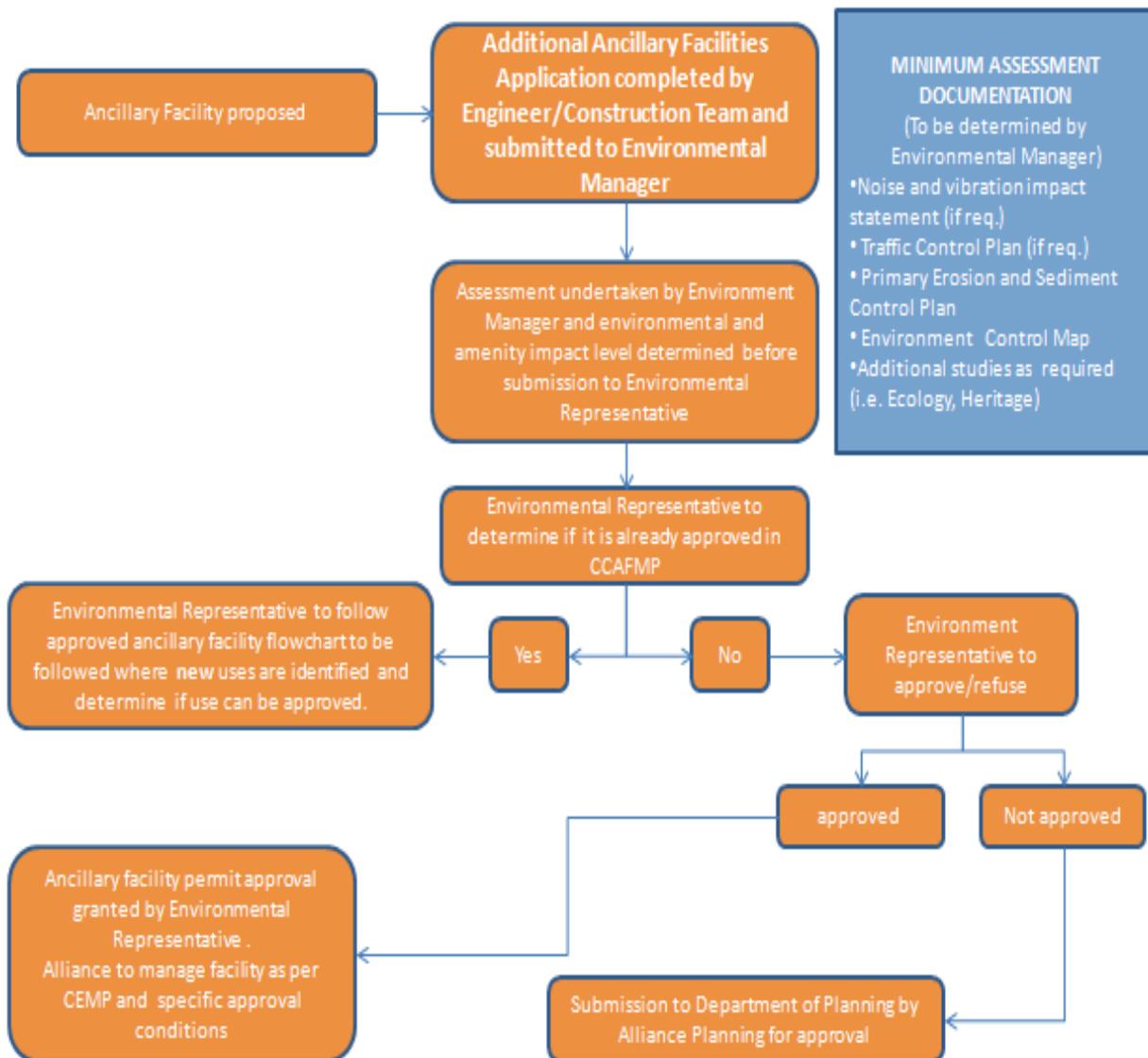
| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---------------------------------|--|----------------|----------------------------------|---------------------------------------|
| A91 | Noise-emitting plant to be directed away from sensitive receivers where possible. | F / EC | Construction Operation | Good Practice |
| A92 | A row of screening vegetation shall be retained between properties and the compound where possible. Suitable screening shall be installed where this is not possible. | F / EC | Construction Operation | Good Practice |
| A93 | The compound surface shall be sealed with chip seal or similar to minimise dust impacts during construction and operation. | F / EC | Construction Operation | Good Practice |
| A94 | Site access would be designed so that left-in-left out movements occur within existing kerbside lanes, vehicles do not encroach onto the wrong side of the road when entering or leaving the sites and all vehicles can enter and exit the sites in a forward direction. Where this is not feasible, consultation would be undertaken with Hornsby Shire Council or RMS (depending on road ownership) and Traffic Management Centre (TMC) to determine appropriate traffic management measures. | CM / EM | Pre-construction | REMM 0.27 TMP |
| A95 | A Traffic Control Plan (TCP) should be developed and implemented for the Ancillary Facility/ construction compound which require direct access/egress onto the local/arterial road network. Measures specified in the TCP will be implemented as appropriate for the life of the facility. | PE / CM | Pre-construction Construction | Good Practice MCoA E29 MCoA E30 |
| Site Specific Measures – EIS S5 | | | | |
| A96 | Approved construction limits shall be set out by survey prior to site establishment to confirm the approved impact extents for Heritage and EECs under SSI-5132. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A97 | Sensitive areas, such as the Beecroft Heritage Precinct beyond the approved impacts of the SSI shall be fenced off and identified as an environmentally sensitive area prior to commencement of construction. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A98 | Loading and unloading of materials/deliveries is to occur as far as possible from sensitive receivers. | F | Construction | CNVIS |
| A99 | Delivery vehicles to be fitted with straps rather than chains for unloading, wherever possible. | S / F | Construction | CNVIS |
| A100 | The compound shall utilise existing sealed areas and drainage systems to the greatest extent practicable during construction and operation of the facility | S / EC | Construction | Good Practice |
| A101 | Plant used intermittently to be throttled down or shut down. | F / EC | Construction Operation | Good Practice |
| A102 | Noise-emitting plant to be directed away from sensitive receivers where possible. | F / EC | Construction Operation | Good Practice |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---|---|----------------|----------------------------------|---------------------------------------|
| EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendent, CRM – Community Relations Manager | | | | |
| A 103 | A Traffic Control Plan (TCP) should be developed and implemented for the Ancillary Facility/ construction compound which require direct access/egress onto the local/arterial road network. Measures specified in the TCP will be implemented as appropriate for the life of the facility. | PE / CM | Pre-construction Construction | Good Practice MCoA E29 MCoA E30 |
| Site Specific Measures – EIS S6 | | | | |
| A 104 | Approved construction limits shall be set out by survey prior to site establishment to confirm the approved impact extents for EECs under SSI-5132. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A 105 | Sensitive areas, such as EECs beyond the approved impacts of the SSI shall be fenced off and identified as an environmentally sensitive area prior to commencement of construction. | EM/CM | Pre-construction | Good Practice SSI-5132 |
| A 106 | Delivery vehicles to be fitted with straps rather than chains for unloading, wherever possible. | S / F | Construction | CNVIS |
| A 107 | Existing stormwater drainage systems shall be used to convey stormwater from the site. This will be supplemented by a site specific PESCP. | EC | Construction Operation | Good Practice |
| A 108 | All demolition waste from the former tile shop shall be removed by a licenced contractor and evidence of correct disposal obtained. | EM | Pre-Construction | Good Practice |
| A 109 | Plant used intermittently to be throttled down or shut down. | F / EC | Construction Operation | Good Practice |
| A 110 | Noise-emitting plant to be directed away from sensitive receivers where possible. | F / EC | Construction Operation | Good Practice |
| A 111 | Left-in and left-out only vehicle movements would be provided at construction worksites EIS 6 at the following locations: <ul style="list-style-type: none"> into and out from Yarrara Road; | CM / EM | Pre-construction | REMMT.1 TMP |
| A 112 | A Traffic Control Plan (TCP) should be developed and implemented for each Ancillary Facility/ construction compound which requires direct access/egress onto the local/arterial road network. Measures specified in the TCP will be implemented as appropriate for the life of the facility | PE / CM | Pre-construction Construction | Good Practice MCoA E29 MCoA E30 |
| Former Epping Bowling Club Site Specific Mitigation Measures | | | | |
| A 113 | Site specific mitigation and management measures for the Former Epping Bowling Club will be implemented as per the Ancillary Facility Assessment for the property and Director General's approval. | CM / EM | Preconstruction Construction | MCoA E29 |
| Pennant Hills Park Site Specific Mitigation Measures | | | | |
| A 114 | Site specific mitigation and management measures for Pennant Hills Park will be implemented in accordance with the specialist assessments prepared for the site and Environmental Control Map developed for the site. | CM / EM | Preconstruction Construction | |

| No. | Mitigation and Management Measures | Responsibility | Timing | Reference |
|---|--|----------------|---------------------------------|-----------|
| EM – Environment Manager, EC – Environment Coordinator, AM - Alliance Manager, F- Foreman, PE – Project Engineers, CM – Construction Manager, S – Superintendent, CRM – Community Relations Manager | | | | |
| A 115 | Parking will be restricted to existing hardstand areas and locations agreed by Hornsby Shire Council | EM / CM | Preconstruction Construction | |
| A 116 | No vegetation clearing shall be undertaken for the purposes of the ETTT project. | CM / EM | Preconstruction | |
| A 117 | Existing boundaries shall be clearly delineated in the approved parking area to avoid any impact to Ecology or Heritage. | CM / EM | Preconstruction | |
| Minor Ancillary Facilities approved under MCoA E30 | | | | |
| A 118 | Assessment will be undertaken in accordance with the ancillary facility approval matrix in attachment B for each Ancillary Facility. Use of the facility shall not commence until an ancillary facility application (and assessment where applicable) undertaken and the permit is approved by the Environmental Representative. | CM / EM/ ER | Pre-construction | |
| A 119 | Director Generals approval of minor ancillary facilities is not required for sites that do not comply with the criteria in condition E29 provided they: | CM / EM/ ER | Pre-construction | |
| | d) are located within an active construction zone within the rail corridor; | | | |
| | e) have been assessed by the Environmental Representative to have: | | | |
| | f) minimal amenity impacts to surrounding residences, with consideration of matters such as noise and vibration impacts, traffic and access impacts, dust and odour impacts and visual (including light spill) impacts; and | | | |
| | g) minimal environmental impact in respect to waste management, listed flora and fauna communities, soil and water and heritage beyond those approved for the project; and | | | |
| | h) have environmental and amenity impacts that can be managed through the implementation of environmental measures detailed in a site specific Environmental Control Map, consistent with the measures identified in the Construction Environmental Management Plan for the project. | | | |

Attachment B

Ancillary Facilities Flowcharts



Attachment C

Ancillary Facility Permits

Additional Ancillary Facilities Application Form

To be completed for each additional ancillary facility not listed in the CCAFMP
(Submit to Environmental Manager when completed)

Additional Ancillary Facilities Application

To be completed for each additional ancillary facility not listed in the CCAFMP
(Submit to Environmental Manager when completed)

| | | |
|----------------|------------------------|---------------------|
| Site Location: | Date: | |
| Area (1 or 2): | Date work to commence: | Date work to cease: |

Circle specific activities to be undertaken at the ancillary facility – list others here:

| Stockpile | Parking | Temporary facilities | laydown/ storage |
|---|---------|----------------------|--|
| <p>Complete the following checklist:</p> <p>Is/Does the ancillary facility: -</p> | | Yes/No | <p>If No, – identify additional environmental controls required</p> <p>(e.g.: near waterway – erosion and sediment controls, near residence – restrict hrs of operation or consult with resident, vegetation protection, heritage walkover, etc – refer to CEMP, sub plans and compound management plan for additional controls)</p> |
| a) Is it in an active construction zone within the rail corridor? | | | |
| b) Are minimal noise and vibration impacts anticipated at the nearest residence? | | | |
| c) The nearest resident is _____m away from the closest point. | | | |
| d) Are traffic and access impacts anticipated on the nearest residence? The proposed access route is via _____. Site access will be via Gate _____. | | | |
| e) Are minimal dust and odour impacts anticipated at the nearest residence? | | | |
| f) Are minimal visual and light spill impacts anticipated at the nearest residence? | | | |
| g) See measure A23 in the CCAFMP for possible mitigation measures. | | | |
| h) Are there minimal waste management impacts anticipated arising from the operation of the facility? | | | |
| i) Will the site require clearing of listed flora and fauna communities? | | | |
| j) Could the clearing impact t listed flora and fauna species beyond that approved for the project and outside the rail corridor construction zone. If yes, Department of Planning Approval may be required. | | | If yes, see Environmental Manager to determine what further action is required. |

Additional Ancillary Facilities Application

To be completed for each additional ancillary facility not listed in the CCAFMP
(Submit to Environmental Manager when completed)

| | | |
|--|--|---|
| k) Will the facility impact heritage beyond that approved for the project and outside the rail corridor construction zone If yes, Department of Planning Approval may be required. | | If yes, see Environmental Manager to determine what further action is required. |
| l) Are minimal soil and water impacts anticipated? | | |
| m) Will a Progressive Erosion and Sediment Control Plan be required? | | |

Note, Environmental Controls in the CEMP and sub plans and that described in Attachment A of the CCAFMP should be followed where appropriate for all additional ancillary facilities.

General notes/comments:

| | | |
|--|--|-----|
| Has a map been attached to this application (application not accepted without a map) | | YES |
| Prepared by (Name, Signature and Date) | | |
| Reviewed by Construction Manager: (Name, Signature and Date) | | |

Ancillary facility construction and use is not allowed until ancillary facility approval permit issued

This section only to be filled out by EM

| | | |
|---|-----|----|
| Is additional assessment required (i.e. Noise, Ecology, Heritage)? | YES | NO |
| If Yes, What? _____. | | |
| Does the ancillary facility have minimal amenity impacts? | YES | NO |
| Does the ancillary facility have minimal environmental impacts? | YES | NO |
| Have impacts which can be managed through an ECM, consistent with measures in the CEMP? | YES | NO |

| Name | Position | Signature | Date |
|------|----------------------|-----------|------|
| | Construction Manager | | |
| | Community Manager | | |
| | Environment Manager | | |

| Environmental Representative Approval | Signature | Date |
|---------------------------------------|-----------|------|
| | | |

Notes/comments:

Attachment D

Environmental Control Maps for Facilities

| ETTT Alliance Points of Contact | | |
|---------------------------------------|--------------------------|--------------|
| ETTT 24 Hr Construction Response Line | For all Complaints | 1800 775 485 |
| ETTT Info Line | For all Public Enquiries | 1800 884 490 |
| Construction Manager (CM) | Chris Bentley | 0404 447 055 |
| Area 1 Manager (AM) | David Ryder | 0412 389 249 |
| Area 2 Manager (AM) | Andy Naylor | 0411 254 183 |
| Lead Site Foreman (SF) | Shane Pearce | 0418 215 858 |
| Environmental Coordinator (EC) | Billy Lai | 0410 898 818 |
| Environmental Manager (EM) | Graet Swinsbery | 0430 395 234 |
| Safety Manager (SM) | Mike Leung | 0434 078 930 |
| Communications Manager (COM) | Serjin Muiic | 0401 698 362 |

| Construction Phase | Activities | Indicative Timing |
|-------------------------------|--|--------------------------------|
| Pre-Construction activities | Activities that satisfy the non-construction definition of Schedule A | Pre-CEMP Approval |
| Site Establishment | Clearing of vegetation | CEMP Approval - February 2014 |
| Relocation of Services | Services location, identification and consultation with service provider; Relocation works | CEMP Approval - June 2014 |
| Earthworks | Cut to fill operations; Sandstone buffer excavation; Spoil transport and processing; Fill embankments; Buffer treatments; Drainage; Stabilisation and rehabilitation | CEMP Approval - June 2015 |
| Structures | Piling; bridge over MC; Structures and bridge adjustments | CEMP Approval - June 2014 |
| Station Adjustments | Works at Stations; Car park adjustments | CEMP Approval - December 2015 |
| Track Work | Installation of track | January 2015 - July 2016 |
| Signalling and Communications | Installation of signalling and communications | CEMP Approval - July 2016 |
| Overhead Wire | Installation of wire; Adjustment of wire | November 2013 - February 2016 |
| Commissioning | Testing and Commissioning | November 2013 - September 2016 |

| Flora & Fauna Management | | |
|---|--|------------------------|
| Doc Ref: Construction Flora and Fauna Management Plan / Nest Box Plan / Unsuspected Ecological Find Procedure / Vegetation Clearing Procedure / Permit to Enter Environmental No Go Area / Myrtle Rust Management Procedure / Working Around Trees Guidelines / Weed Management Procedure | | |
| Implementation of Controls: | | Resp. |
| Where work activities are located in close proximity to EEC / Native vegetation habitat and burning is to be installed around the work location to identify the extent of permissible work. | | SF/EC |
| All workers would be provided with an environmental induction prior to commencing work on-site. This induction would include information on the ecological values of the site, protection measures to be implemented to protect biodiversity and penalties for breaches. | | SF/EC |
| For all vegetation clearing, a pre-clearing checklist will be completed following our CEMP. | | EC/SF |
| The EC would be present onsite during vegetation clearing activity and a permit must be in place prior to entering environmental no go area. | | EC/EM |
| Hold Points | | |
| Encountering Fauna - If any fauna is encountered, stop work in the immediate area and contact the EC (refer to the Fauna Handling Management Plan). | | EC (Resp. for Release) |
| Monitoring and Reporting | | |
| Undertake environmental surveillance | | EC |
| Weekly environmental inspection checklist | | EC |

| Hours of Work | |
|--|--|
| Construction Works | |
| Monday - Friday (7am - 6pm) Saturday (8am-1pm) | |
| Out of Hours Delivery | |
| ETTT Out of Hours Works Approval Protocol / Subject EM approval | |
| Construction Works - Out-of-Hours/Sundays/Public Holidays | |
| ETTT Out of Hours Works Approval Protocol / Subject EM approval / Subject to EPL variation and ROL requirements. | |

| Traffic Management | |
|--|---------------------|
| Doc Ref: Traffic Management and Access Plan / Traffic Control Plan | |
| Implementation of Controls: | |
| High limit for site vehicles when on the work site | Resp. All personnel |
| Heavy vehicles would be restricted to specified routes, with the aim of avoiding local streets, high pedestrian areas and school zones. Where feasible, route markers would be installed for heavy vehicles along designated routes. | SM |
| Directional signage would be provided at each corridor access points. | SM |
| Signs would be provided at each access point for pedestrian and cyclist guidance. | AM/SF |
| Limit off-site construction vehicle parking to designated areas. Areas of temporary on-street parking during peak construction events would be identified in the traffic management plans to minimise the impact on surrounding properties and businesses. | SF |
| The queuing and idling of construction vehicles in residential streets would be minimised. | EC |
| Traffic trucks to follow haulage on traffic management plan approved by Council | SM |
| No parking of construction vehicles at all station commuter and shopping centre car park | SF |
| Road sweeper to be available to clean dislodgement off roads if required | AM |
| Left in / left out for all access gates for all site area unless stated otherwise on the vehicle management plan. | SF |
| Construction vehicles should avoid driving in surrounding residential areas prior to 7am where possible. | SF |
| Monitoring and Reporting | |
| Undertake inspections of local roads and access points | EC |
| Weekly environmental inspection checklist | EC |

| Chemical Storage and Refuelling | |
|--|---------------|
| Implementation of Controls: | |
| All fuels, oils and chemicals are to be kept in a bonded area, away from waterways (>50m) and away from other environmentally sensitive areas where practical. The bonded area is to be constructed in accordance with AS 1940:2004. | Resp. SF / AM |
| Maintain a 50m buffer to waterways (Other than for Piling Rig at Devils Creek) | SF/PE |
| A fully maintained spill kit will be stored on the fuel truck | |
| Only the driver of the fuel truck is to operate the fuel pump | |
| Turn on fuel pump and ensure counter is reset | |
| Refuelling operations are to be closely monitored at all times | SF/PE |
| The refuelling operator is to stay close to the 'stop' valve/trigger at all times | |
| At the completion of refuelling, ensure the pump is switched off and nozzle is securely in the cradle, and record the quantity of fuel used | |
| Mobile fuel bund provided to contractor to store jerry cans and fuel container onsite | |
| Use mobile fuel bunds provided for jerry cans where applicable | |
| Monitoring and Reporting | |
| Undertake environmental surveillance | EC |
| Weekly environmental inspection checklist | EC |

| Stakeholders and Consultation | |
|---|--|
| Doc Ref: Stakeholders and Community Involvement Plan (SCIP) | |
| Complaints handling: | |
| All complaints/contracts to be directed to the ETTT Information Line 1800 884 490 and 24 hour enquiry number 1800 775 485 and Communications Manager (COM) or delegate immediately. | |
| Notification of new works: | |
| Newsletters and other communication tools would be distributed to keep the community informed of upcoming activities and impacts. This would include providing information on out of hours works and how to find out more about the project and register complaints in relation to the works. | |
| Stakeholders/community to be consulted of new works (potentially impacting) via notification, i.e. letterbox drops/newsletters/one to one consultation at least 10 days prior to works (14 days preferred). | |
| Out of hours works: | |
| For approved works outside normal hours, local residents to be informed via letterbox drop /-14 days prior to commencement of any out of hour works. | |
| General: | |
| When in close proximity to works consider neighbours' privacy and amenity. | |
| Access/driveways to be kept free from Project vehicles/machinery/plant at all times. | |

| Noise and Vibration Management | |
|---|---------|
| Doc Ref: Construction Noise and Vibration Management Plan / TNSW Construction Noise Strategy / Noise Monitoring Record Form / Plant and Equipment Noise Measurement Record Form | |
| Implementation of Controls: | |
| Resp. | |
| Mitigation measures documented in the ETTT Construction Noise and Vibration Management Plan. These measures may include, but not be limited to: | SF/AMEC |
| All mitigation measures. | |
| Letter box drops | |
| Individual briefings | |
| Briefing of the work team in order to create awareness of the locality of sensitive receivers and the importance of minimising noise emissions | |
| Planning the higher-noise activities and work near residential receivers to be undertaken predominantly during less sensitive periods, where reasonable and feasible | |
| Non-tonal reversing alarms fitted on construction vehicles | |
| Comply with all noise conditions of the EPL. | |
| High Noise Impact Works (Jack hammering / rock breaking or hammering, pile driving, vibratory rolling, cutting of pavement, concrete or steel or other work occurring on the surface that generates noise with impulsive, intermittent, tonal or low frequency characteristics) can only be undertaken from 8am to 5pm on 1 off respite period. | |
| For all Out of Hours Works, must follow ETTT Out of Hours Works Approval Protocol. | |
| Vibration mitigation measures include: | |
| vibration generating plant and equipment would be located in areas with lower vibration impacts on sensitive receivers | SF/AMEC |
| lower vibration generating equipment and plant would be used | |
| consecutive works with high vibration levels in the same locality would be minimised | |
| Monitoring and Reporting | |
| Undertake environmental surveillance and noise monitoring. | |
| Noise monitoring results will be uploaded to Leighton Contractors webpage | |
| EC | |

| | |
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| DESIGN BY | B. Lai |
| DATE | Jul-14 |
| Rev | 2 |
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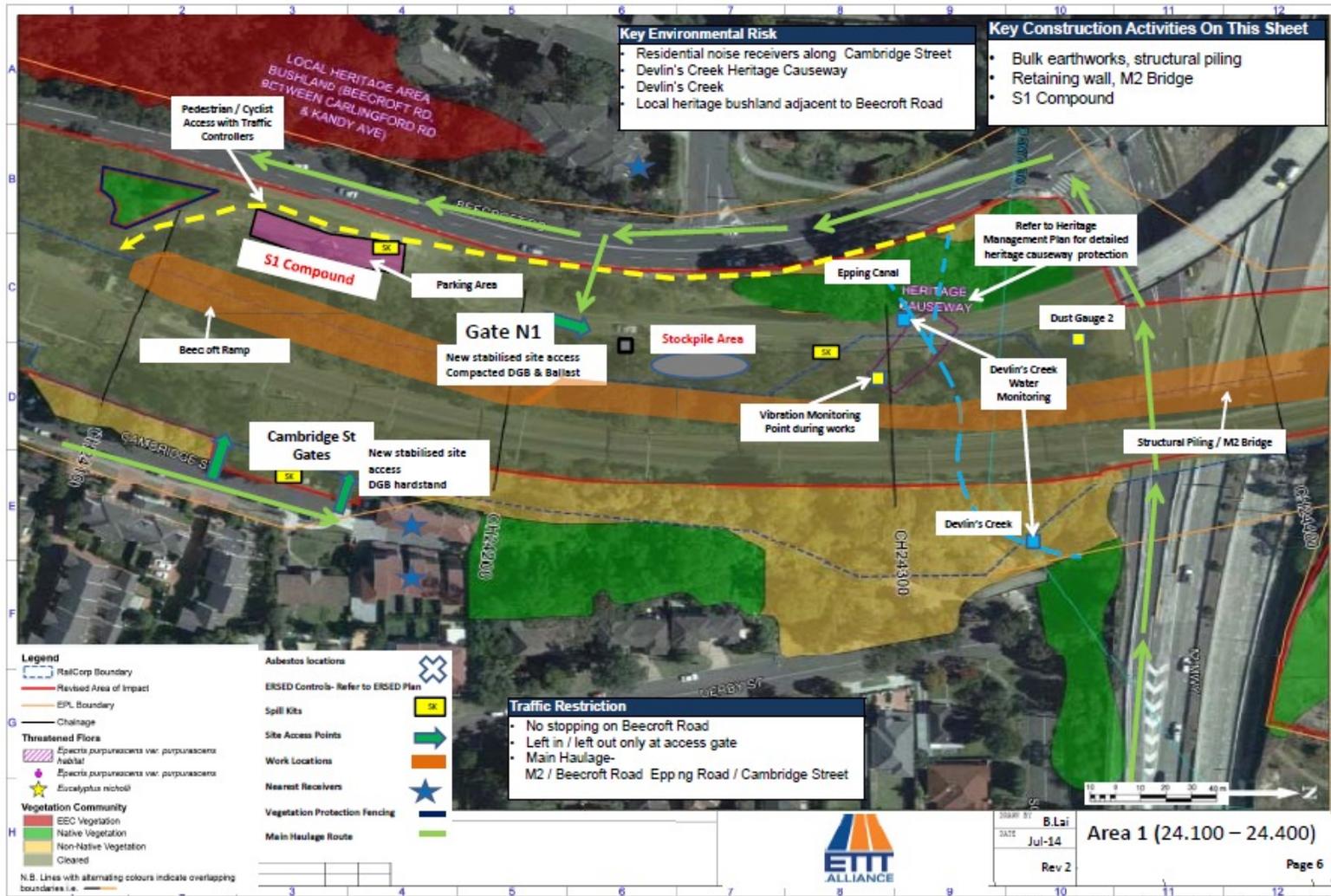
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| ECM Mitigation Measures | |
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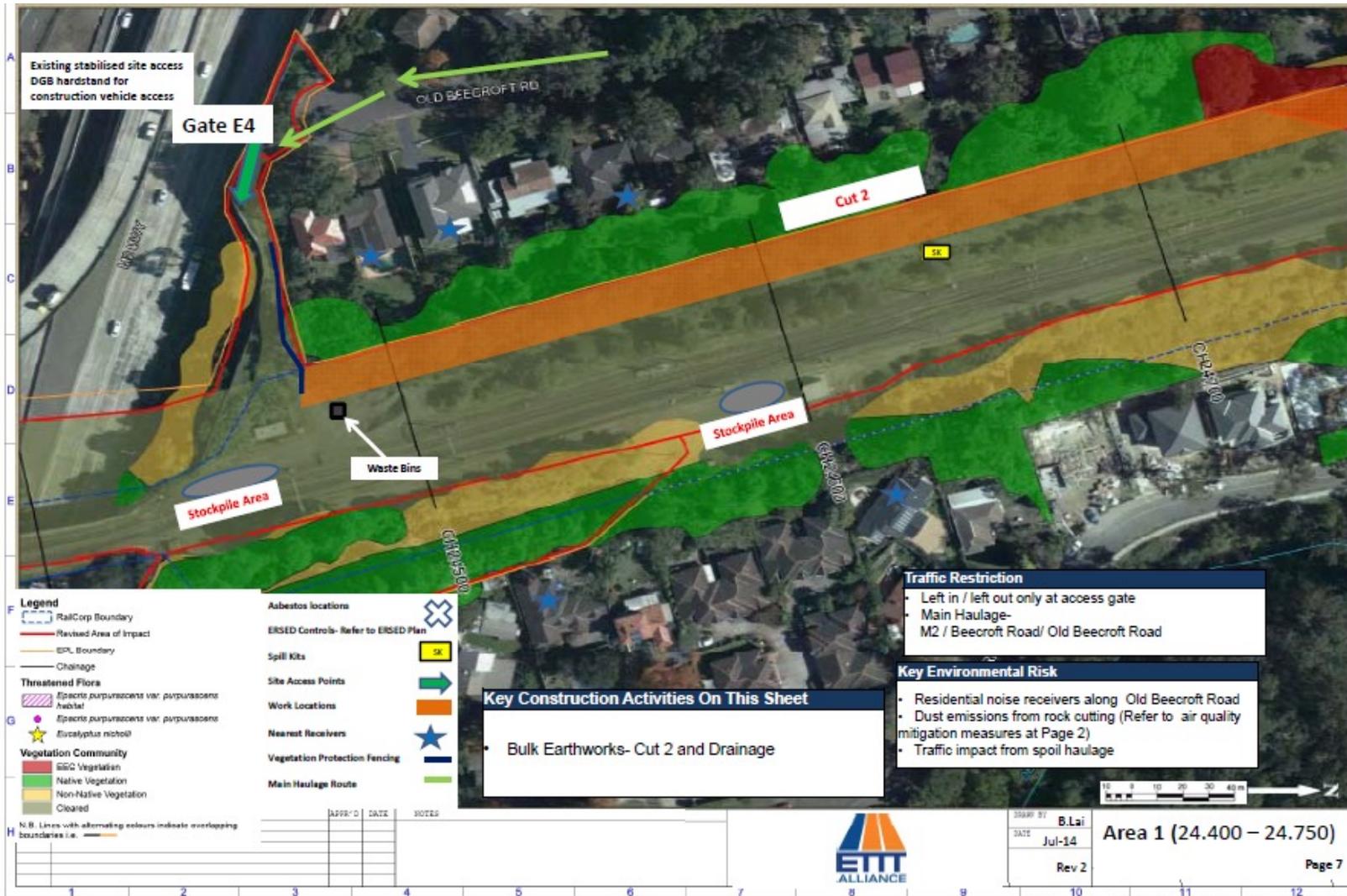
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|--------|------|---|---|---|---|---|--|--|----|----|
| A | Contamination Management | | | | Heritage Management | | | | Surface and Ground Water Management- Site Specific | | | |
| | Doc Ref: Contamination Management Plan / Asbestos Management Plan Unexpected Discovery of Asbestos Procedure Unexpected Discovery of Contamination Procedure | | | | Doc Ref: Construction Heritage Management Plan Unexpected Heritage or Human Skeletal Remains Find Procedure | | | | Doc Ref: Construction Soil and Water Quality Management Plan Construction ERSED Plan Construction Water Flocculation and Discharge Procedure | | | |
| B | Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | |
| | Induct personnel to Unexpected Discovery of Contamination Procedure | | | | Should any 'velox' be discovered during works, the NSW Heritage Council would be notified in accordance with Section 148 of the Heritage Act 1977. | | | | No discharge of water is permitted without Permit to Pump | | | |
| C | Hold Point | | | | Hold Point | | | | Hold Point | | | |
| | If suspected contamination found (asbestos) – stop work and contact SM / EM Actions will be undertaken in accordance with Unexpected Contamination Finds Protocol. | | | | If any unanticipated archaeological deposits are identified within the proposal site during possession, work likely to impact on the deposit would cease immediately and the NSW Heritage Council and an archaeologist would be contacted. Where required, further archaeological work and/or consents would be obtained prior to works recommencing at the location. | | | | All fuels, chemicals and hazardous liquids would be stored within bunded area in accordance with Australian standards and EPA Guidelines. Emergency spill kits would be kept on-site at all times. All spill would be made aware of the location of the spill kits and be trained in their use. | | | |
| D | Waste Management | | | | Waste Management | | | | Waste Management | | | |
| | Doc Ref: Construction Waste and Resource Use Management Plan | | | | Doc Ref: Construction Waste and Resource Use Management Plan | | | | Doc Ref: Construction Waste and Resource Use Management Plan | | | |
| E | Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | |
| | Setup waste areas (sorting areas and waste bins) | | | | Setup waste areas (sorting areas and waste bins) | | | | Setup waste areas (sorting areas and waste bins) | | | |
| F | Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | |
| | All wastes are to be classified prior to disposal, tracked using the materials tracking form and taken to an appropriately approved disposal facility. | | | | All wastes are to be classified prior to disposal, tracked using the materials tracking form and taken to an appropriately approved disposal facility. | | | | All wastes are to be classified prior to disposal, tracked using the materials tracking form and taken to an appropriately approved disposal facility. | | | |
| G | Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | |
| | All potting slurry will be captured on the spot by vacuum trucks | | | | All potting slurry will be captured on the spot by vacuum trucks | | | | All potting slurry will be captured on the spot by vacuum trucks | | | |
| H | Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | |
| | As a contingency, should the onsite water treatment facility is out of service, all potting slurry will be sent to Bettergrow Pty Ltd which is licensed to receive vacuum truck waste. (EPL 5487) | | | | As a contingency, should the onsite water treatment facility is out of service, all potting slurry will be sent to Bettergrow Pty Ltd which is licensed to receive vacuum truck waste. (EPL 5487) | | | | As a contingency, should the onsite water treatment facility is out of service, all potting slurry will be sent to Bettergrow Pty Ltd which is licensed to receive vacuum truck waste. (EPL 5487) | | | |
| Monitoring and Reporting | | | | Monitoring and Reporting | | | | Monitoring and Reporting | | | | |
| Undertake weekly environmental surveillance. | | | | Undertake weekly environmental surveillance. | | | | Undertake weekly environmental surveillance. | | | | |
| Visual Amenity | | | | Visual Amenity | | | | Visual Amenity | | | | |
| Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | | |
| Materials and machinery should be stored tidily during the works. | | | | Materials and machinery should be stored tidily during the works. | | | | Materials and machinery should be stored tidily during the works. | | | | |
| Monitoring and Reporting | | | | Monitoring and Reporting | | | | Monitoring and Reporting | | | | |
| Undertake environmental surveillance. Weekly environmental inspection checklist | | | | Undertake environmental surveillance. Weekly environmental inspection checklist | | | | Undertake environmental surveillance. Weekly environmental inspection checklist | | | | |
| Cumulative Impacts | | | | Cumulative Impacts | | | | Cumulative Impacts | | | | |
| Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | | |
| Noise- Work crew at adjacent noise catchment area should be mindful about work restriction on high impact noise 3 on 1 off condition of the EPL. Work staging and communication between work crew and foremen should be undertaken where possible to mitigate cumulative noise impacts. | | | | Noise- Work crew at adjacent noise catchment area should be mindful about work restriction on high impact noise 3 on 1 off condition of the EPL. Work staging and communication between work crew and foremen should be undertaken where possible to mitigate cumulative noise impacts. | | | | Noise- Work crew at adjacent noise catchment area should be mindful about work restriction on high impact noise 3 on 1 off condition of the EPL. Work staging and communication between work crew and foremen should be undertaken where possible to mitigate cumulative noise impacts. | | | | |
| Monitoring and Reporting | | | | Monitoring and Reporting | | | | Monitoring and Reporting | | | | |
| Undertake environmental surveillance. Weekly environmental inspection checklist | | | | Undertake environmental surveillance. Weekly environmental inspection checklist | | | | Undertake environmental surveillance. Weekly environmental inspection checklist | | | | |
| Spill and Emergency Response Management | | | | Spill and Emergency Response Management | | | | Spill and Emergency Response Management | | | | |
| Doc Ref: Environmental Incident or Non-compliance Report Form / Environment and Pollution Incident Response and Notification Management Procedure (PIRMP) / Spill Response Procedure | | | | Doc Ref: Environmental Incident or Non-compliance Report Form / Environment and Pollution Incident Response and Notification Management Procedure (PIRMP) / Spill Response Procedure | | | | Doc Ref: Environmental Incident or Non-compliance Report Form / Environment and Pollution Incident Response and Notification Management Procedure (PIRMP) / Spill Response Procedure | | | | |
| Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | | |
| Induct personnel on the Spill management Tool and Emergency Response during Site Induction | | | | Induct personnel on the Spill management Tool and Emergency Response during Site Induction | | | | Induct personnel on the Spill management Tool and Emergency Response during Site Induction | | | | |
| Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | | |
| Ensure spill kits are located in Plant and / or work utility vehicles, and at key work areas and compounds. | | | | Ensure spill kits are located in Plant and / or work utility vehicles, and at key work areas and compounds. | | | | Ensure spill kits are located in Plant and / or work utility vehicles, and at key work areas and compounds. | | | | |
| Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | | |
| Undertake pre-start checks before using vehicles and remove non-compliant or faulty vehicles from site. | | | | Undertake pre-start checks before using vehicles and remove non-compliant or faulty vehicles from site. | | | | Undertake pre-start checks before using vehicles and remove non-compliant or faulty vehicles from site. | | | | |
| Hold Points | | | | Hold Points | | | | Hold Points | | | | |
| REPORT ALL Environmental Incidents to the EM as per the Emergency Response and Incident Management Plan. | | | | REPORT ALL Environmental Incidents to the EM as per the Emergency Response and Incident Management Plan. | | | | REPORT ALL Environmental Incidents to the EM as per the Emergency Response and Incident Management Plan. | | | | |
| Implementation of Controls: | | | | Implementation of Controls: | | | | Implementation of Controls: | | | | |
| Undertake environmental surveillance. Weekly environmental inspection checklist | | | | Undertake environmental surveillance. Weekly environmental inspection checklist | | | | Undertake environmental surveillance. Weekly environmental inspection checklist | | | | |
| REF | ADDENDUMS | APPR'D | DATE | NOTES |  | | | ISSUED BY | B.Lai | ECM Mitigation Measures Page 2 | | |
| | | | | | | | | DATE | Jul-14 | | | |
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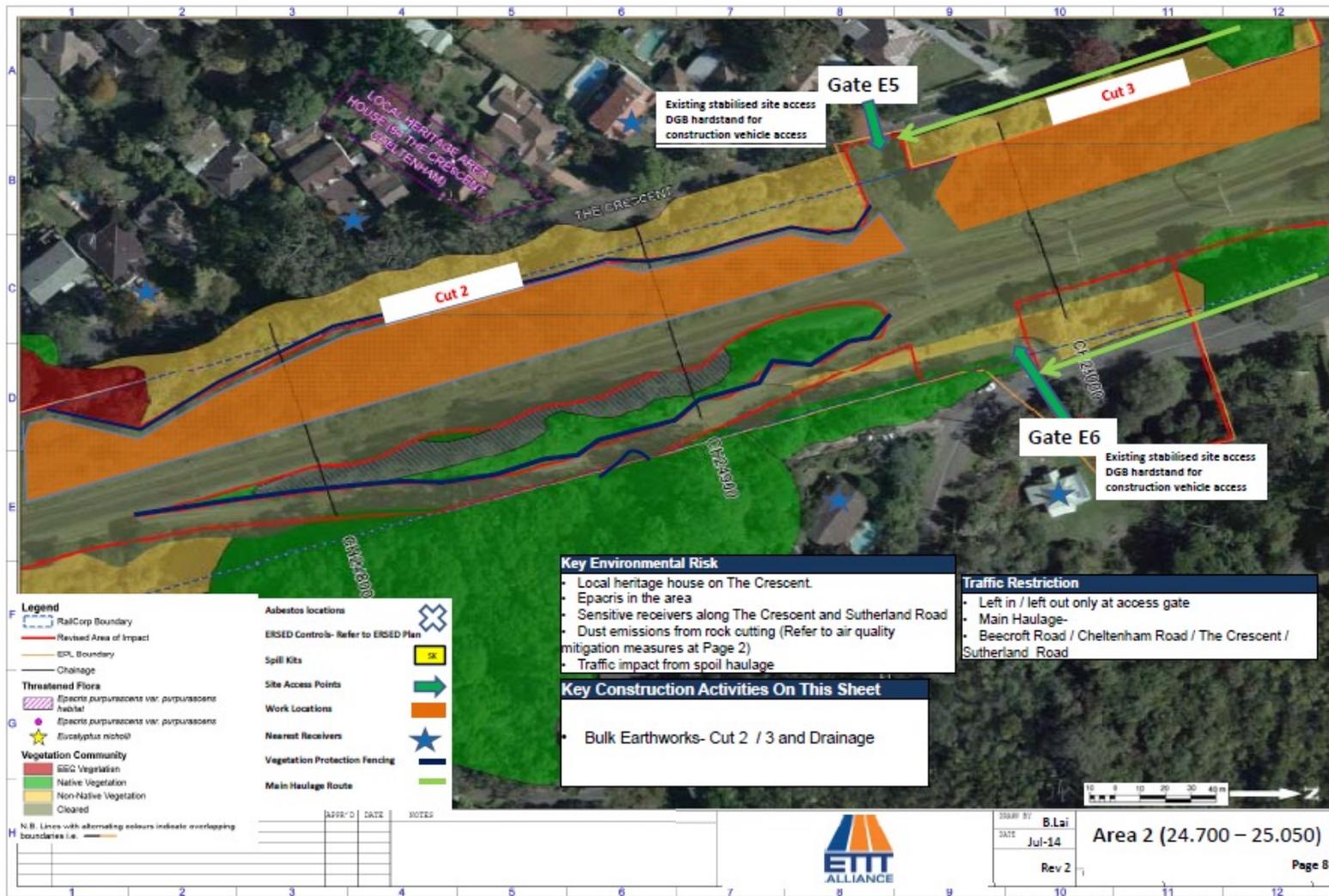


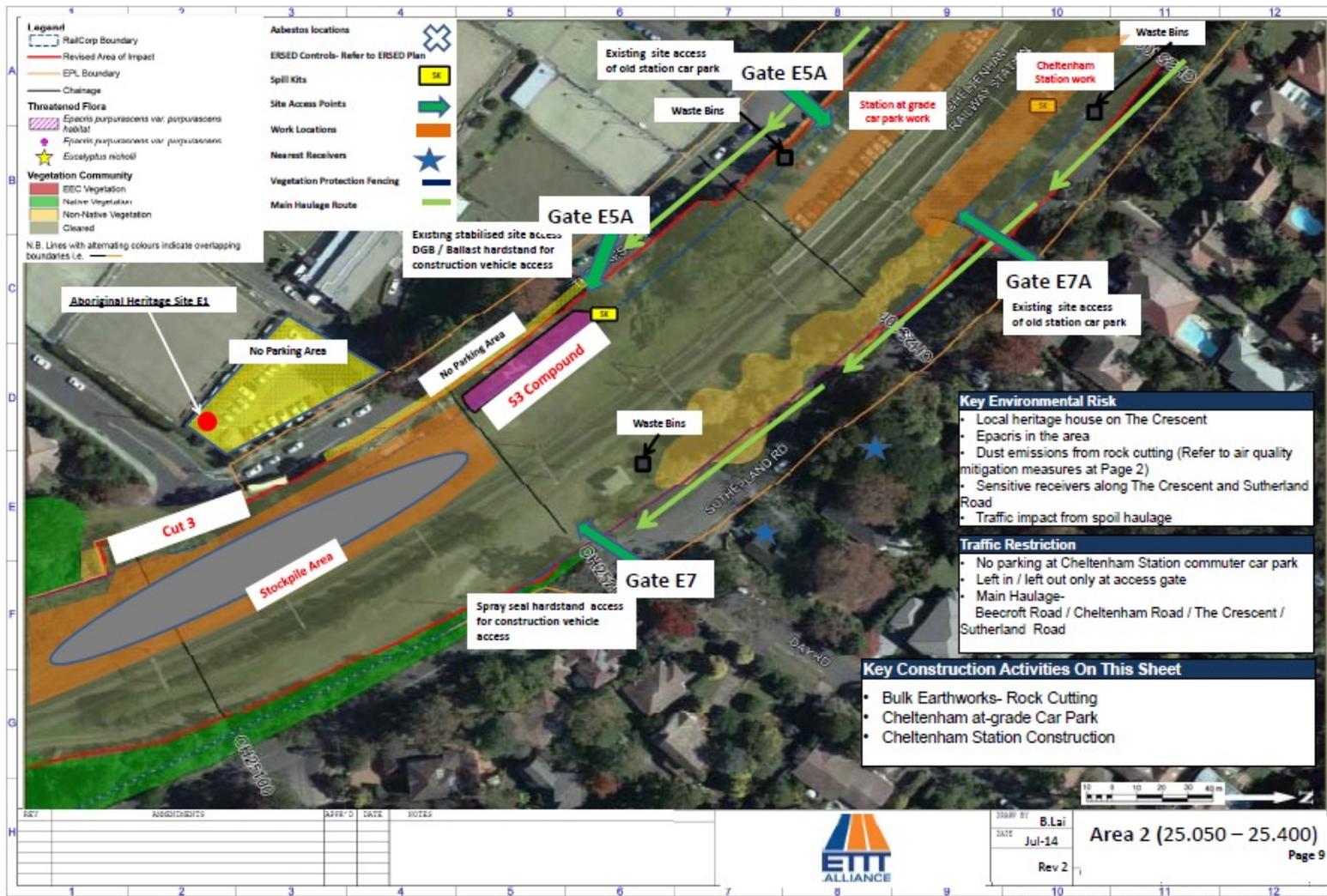


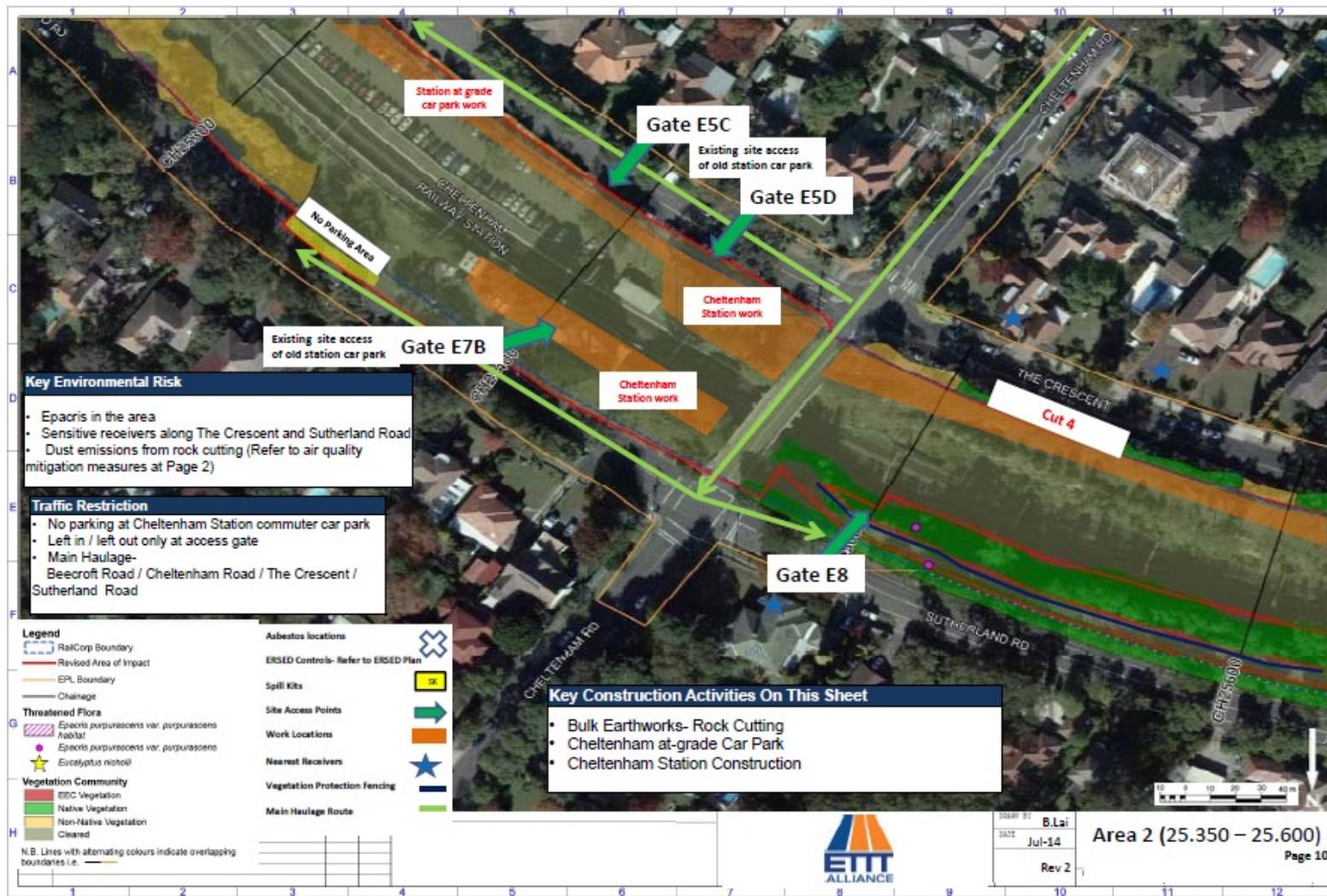


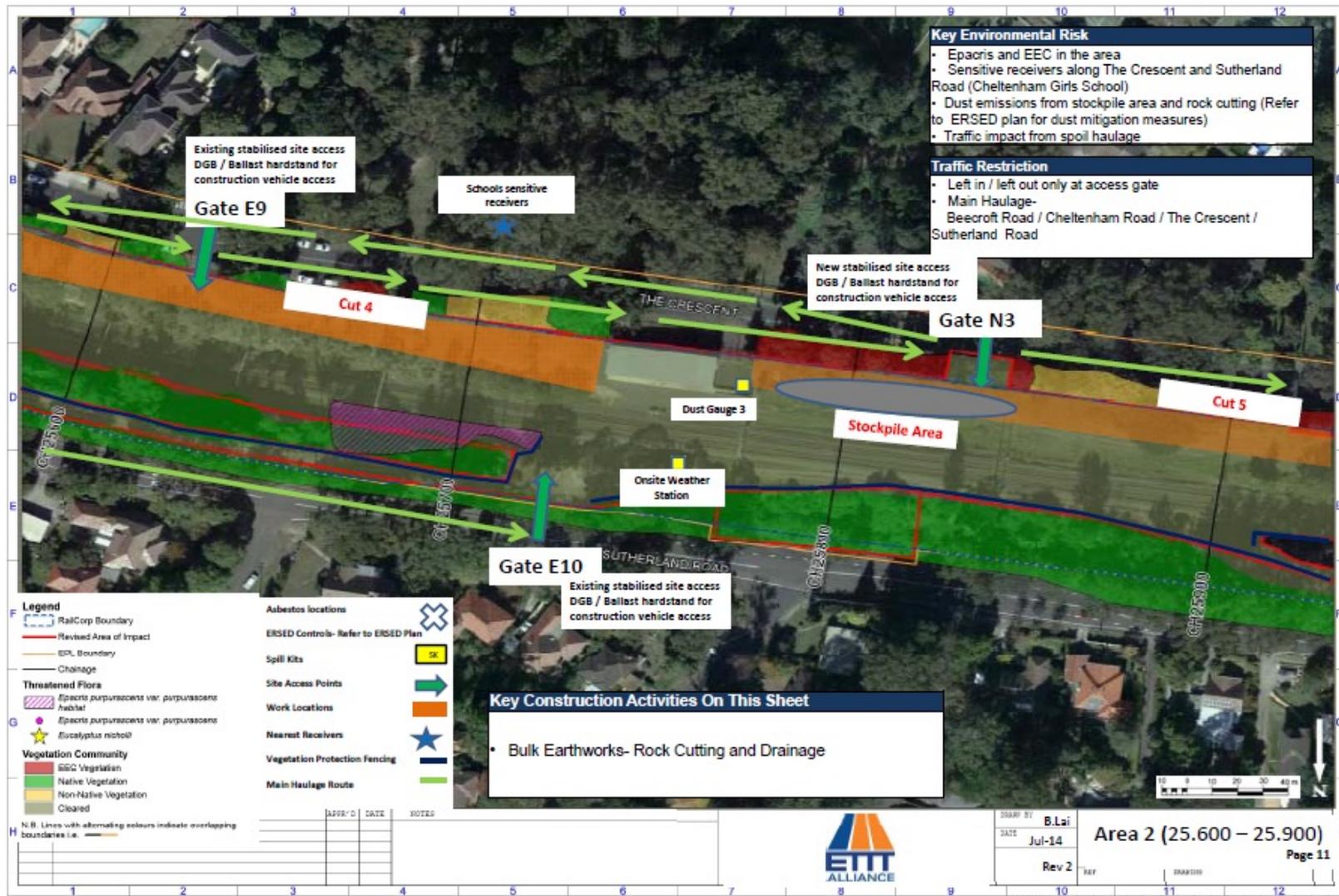


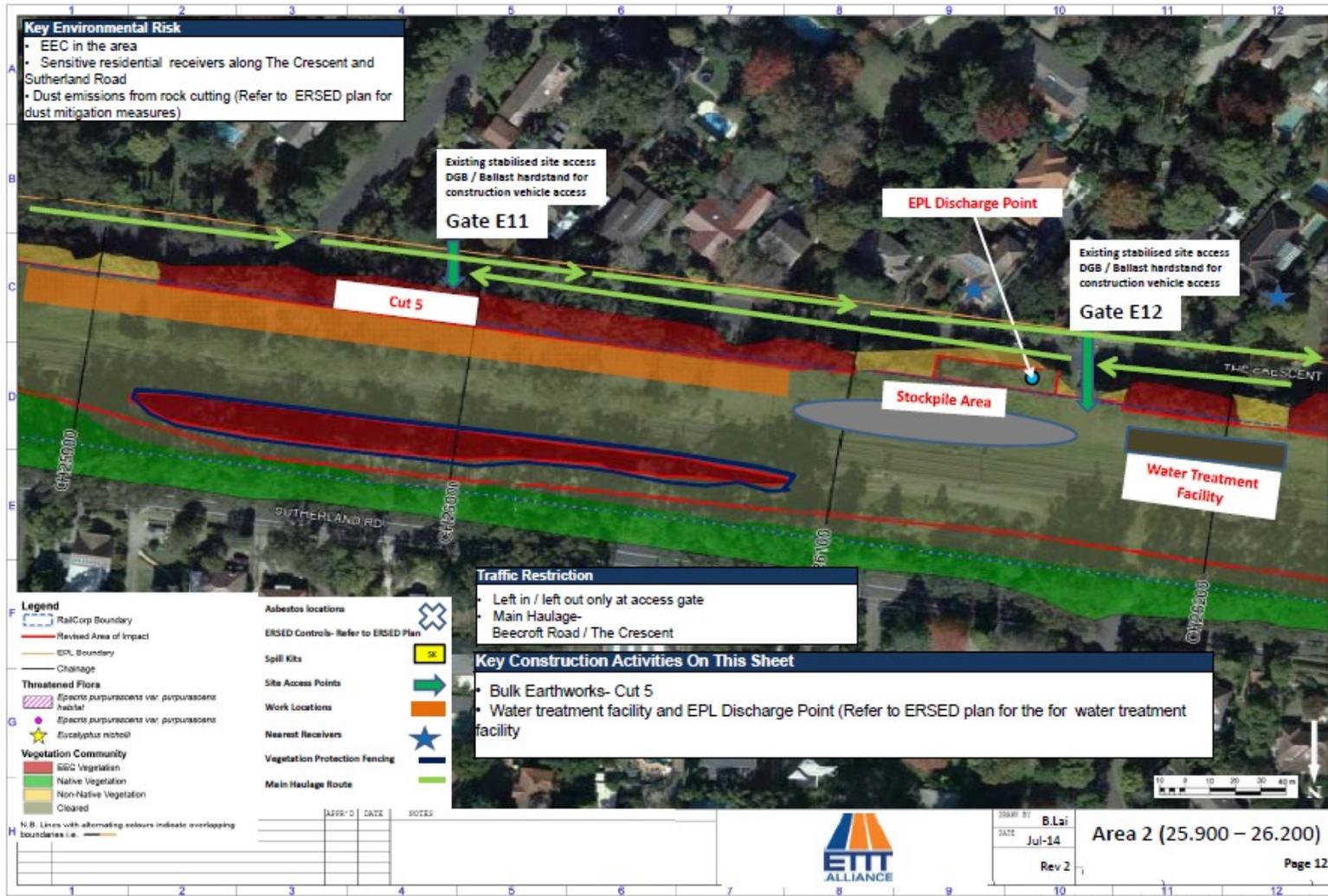


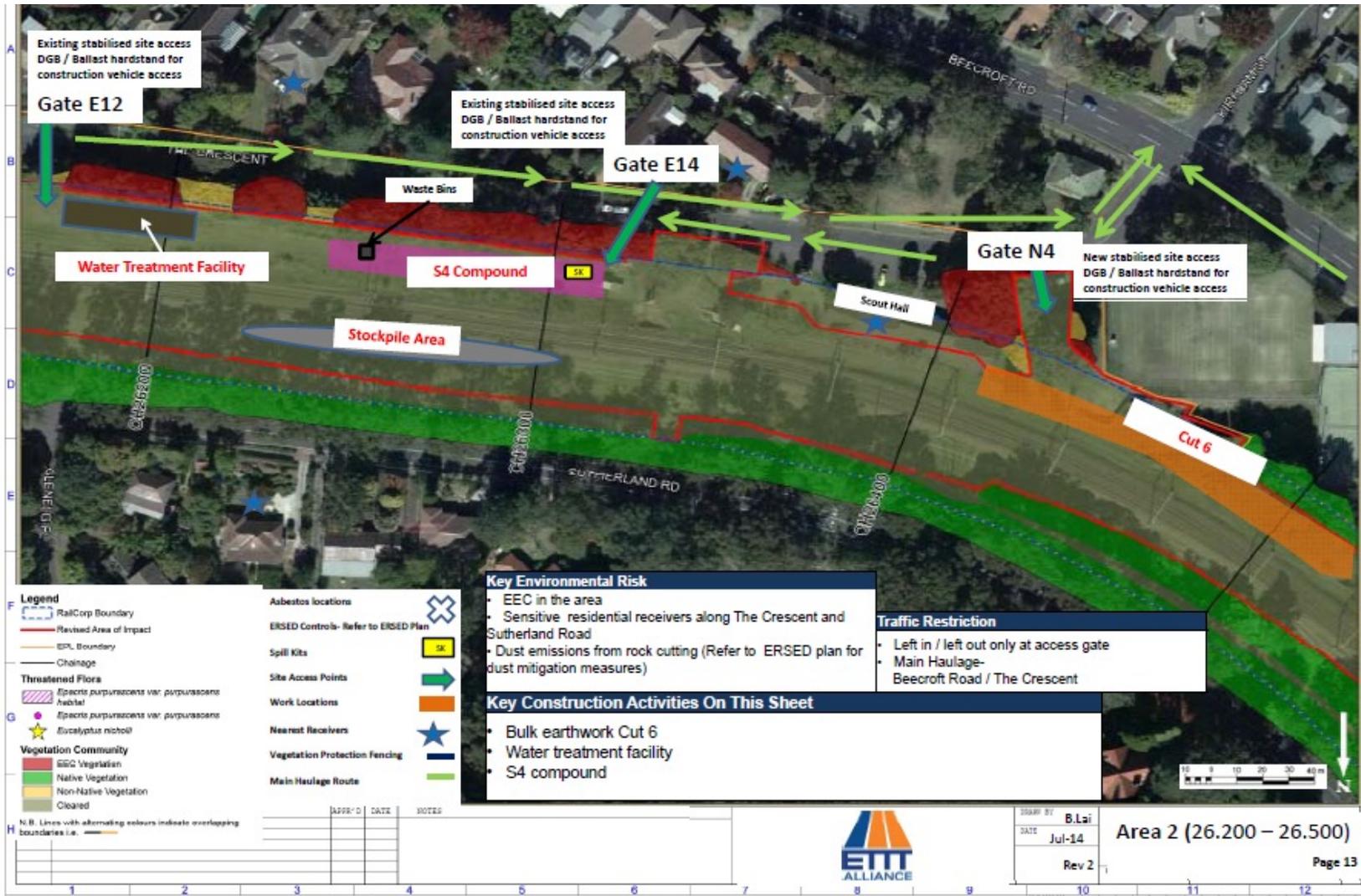


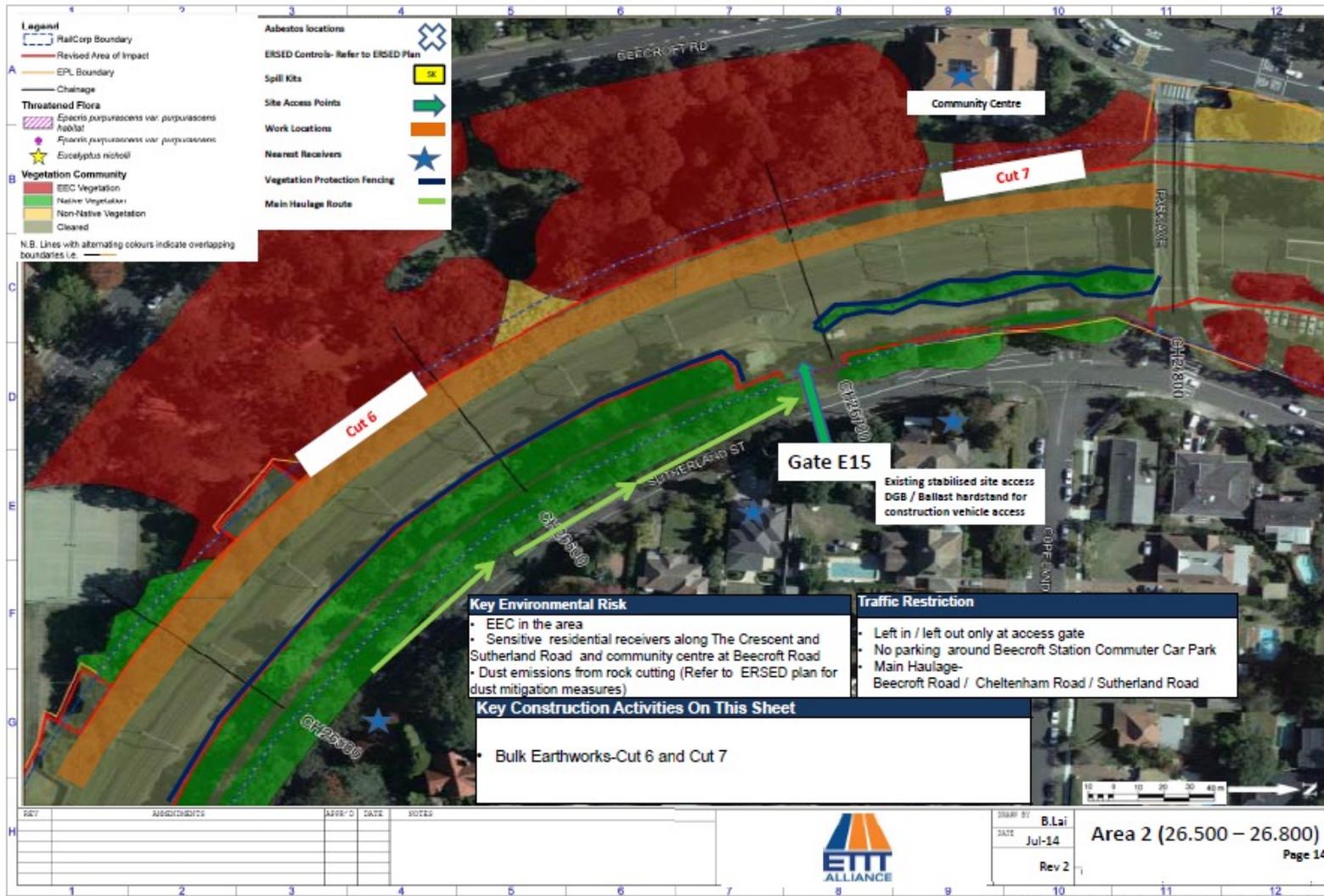


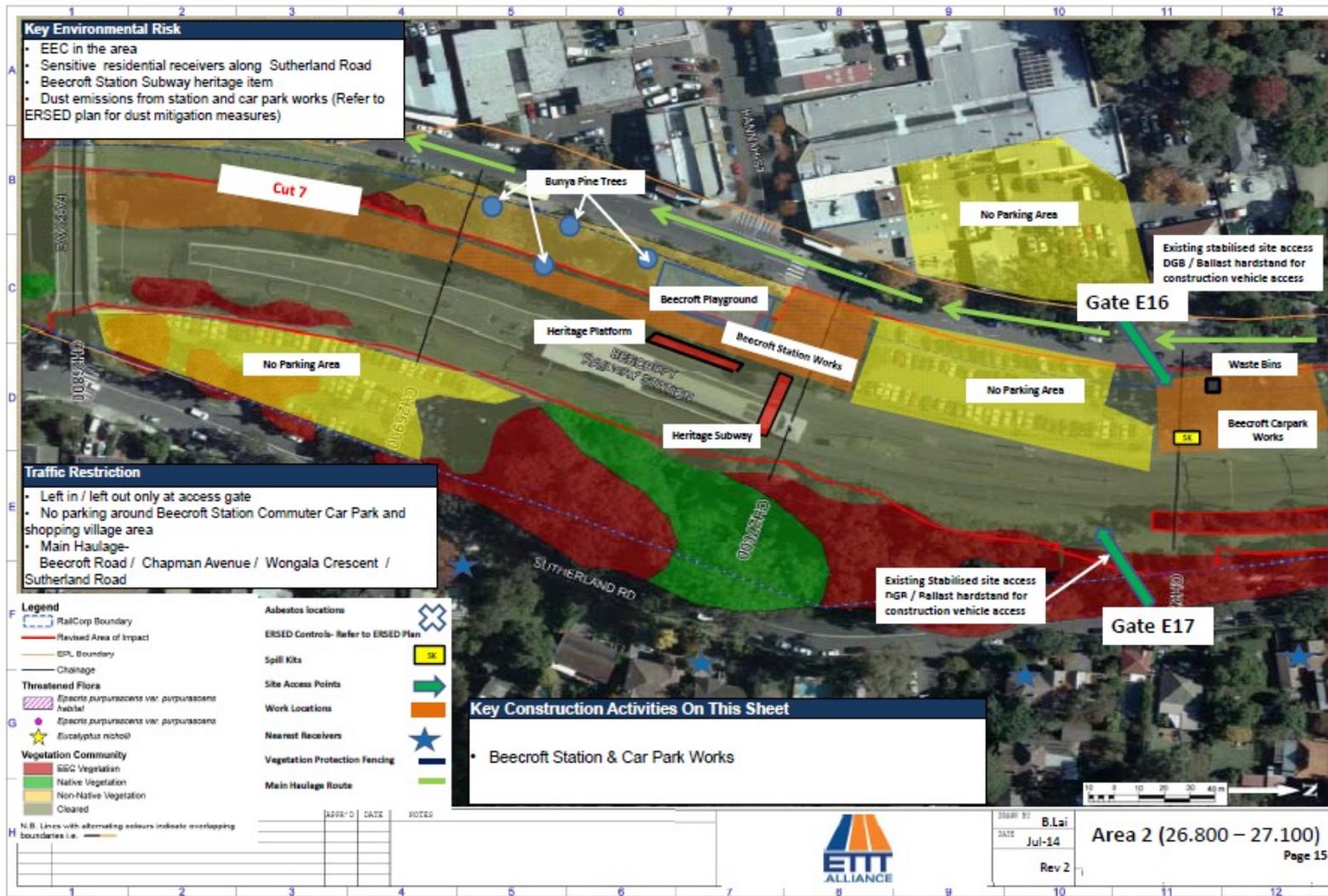


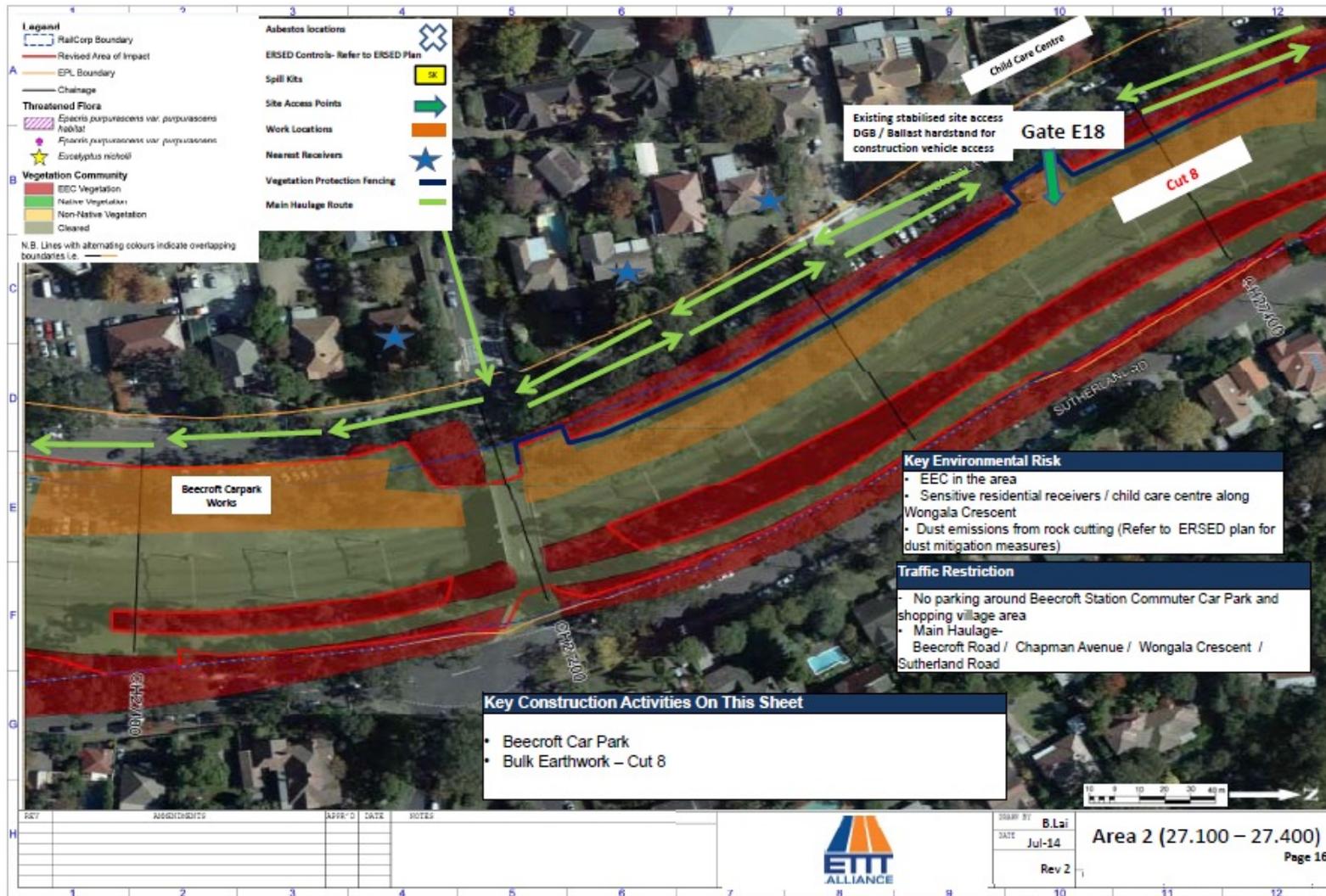


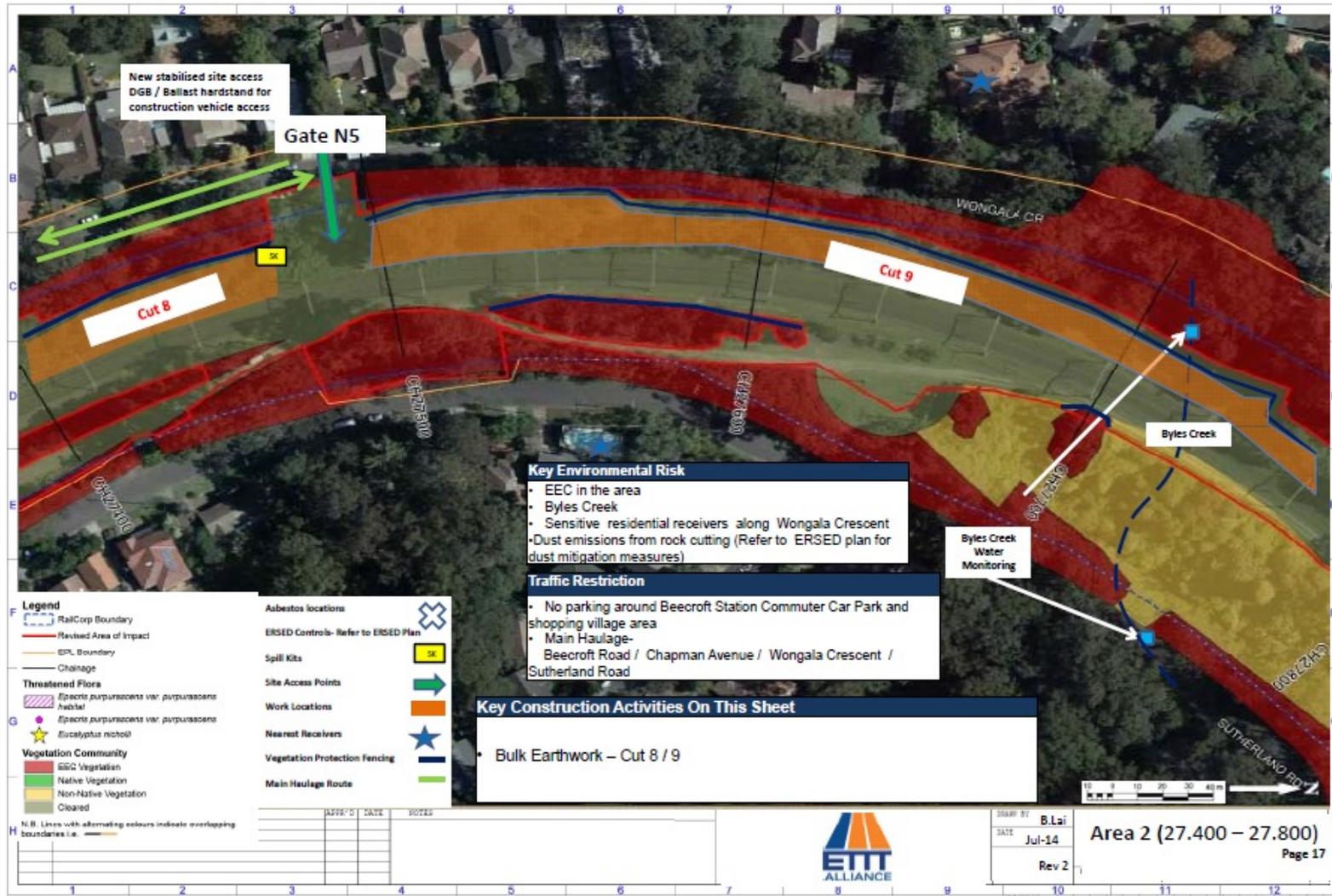


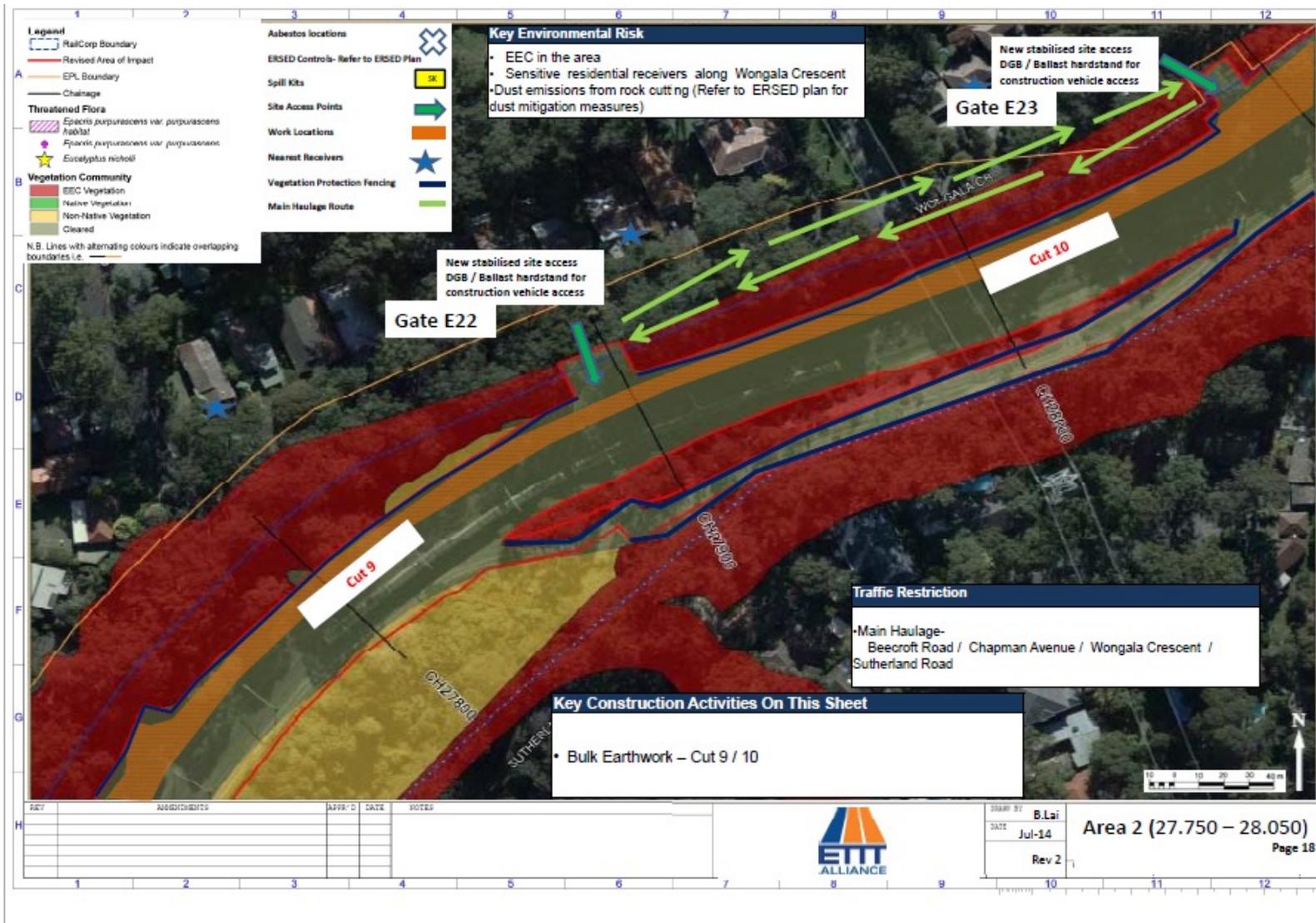


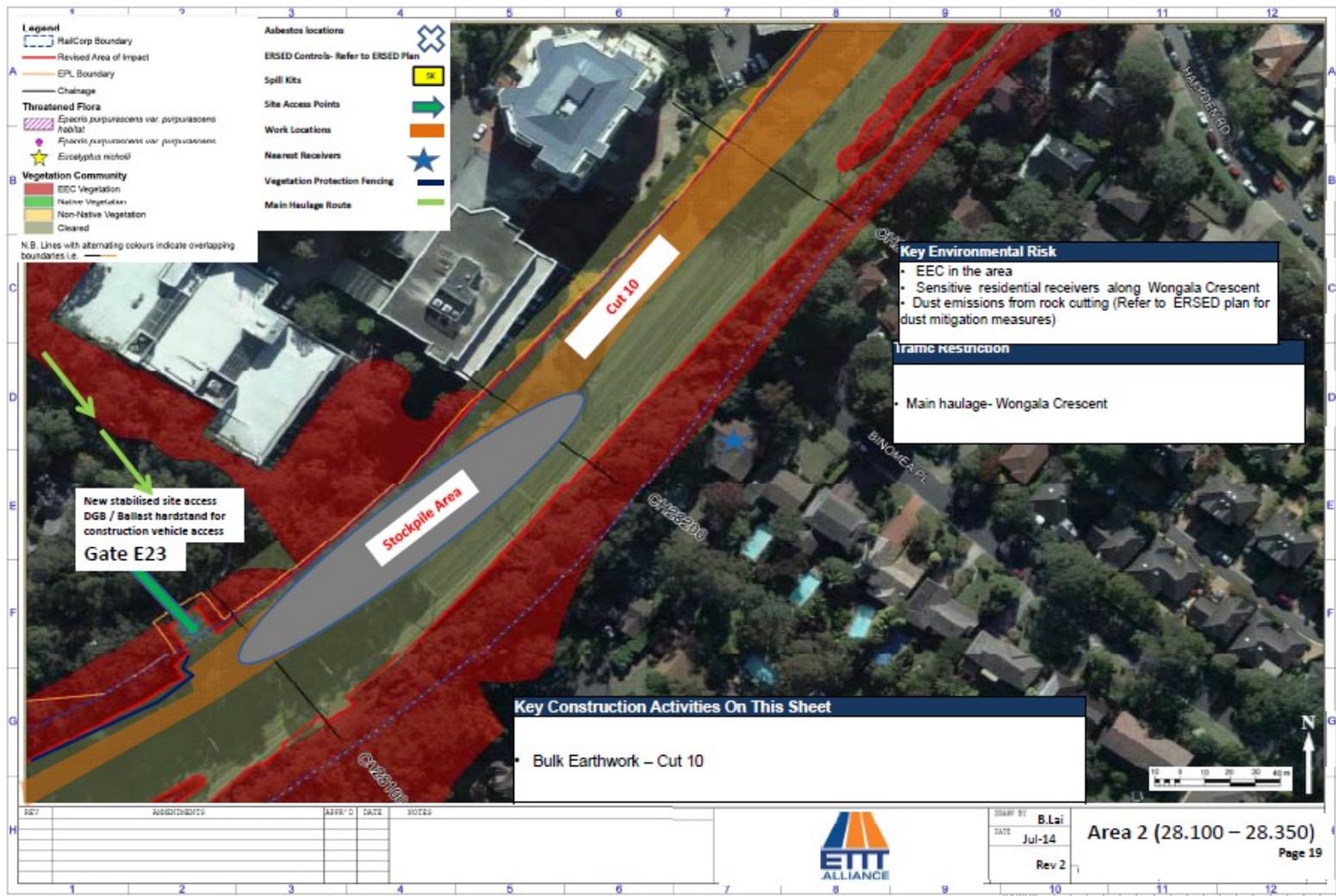


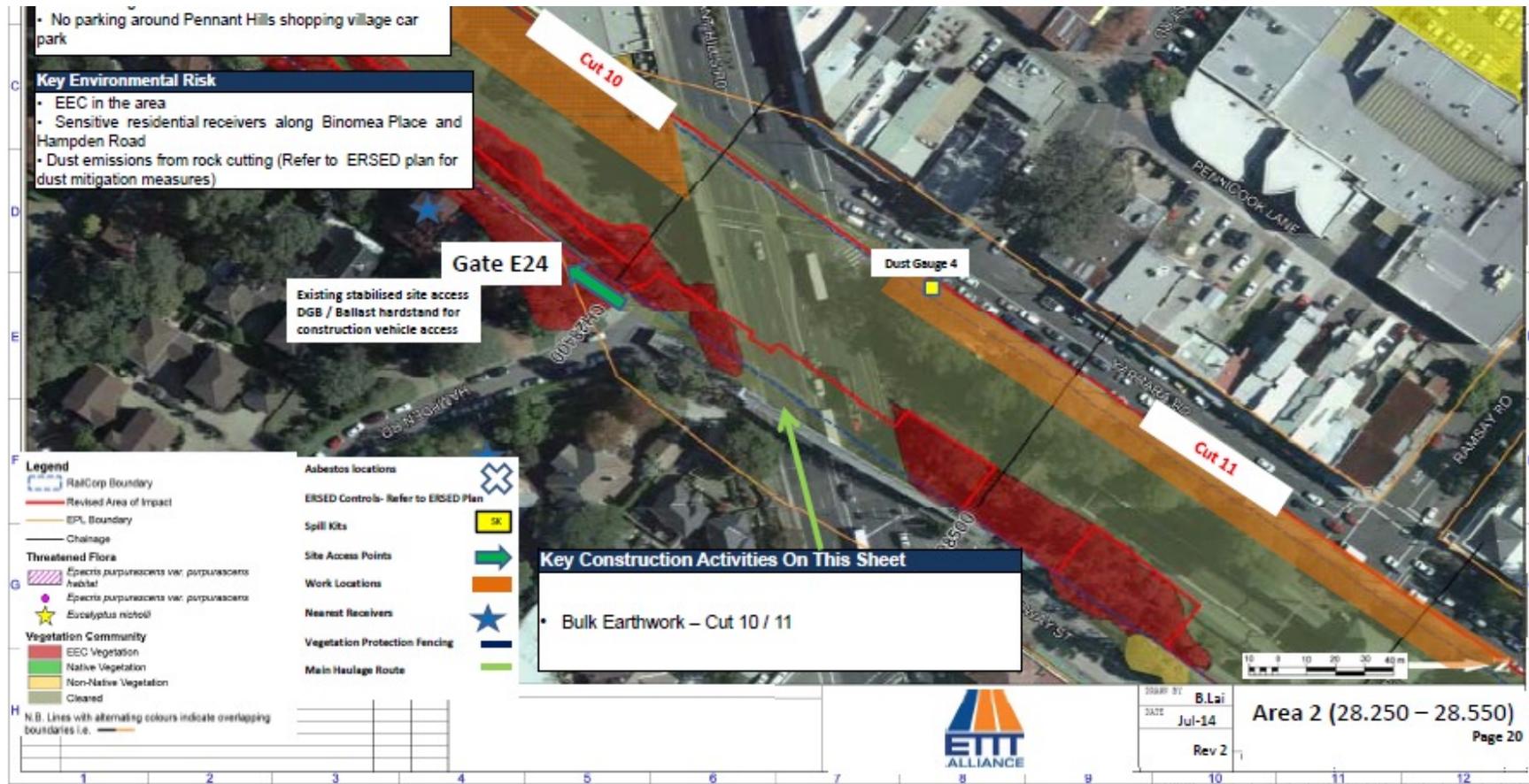










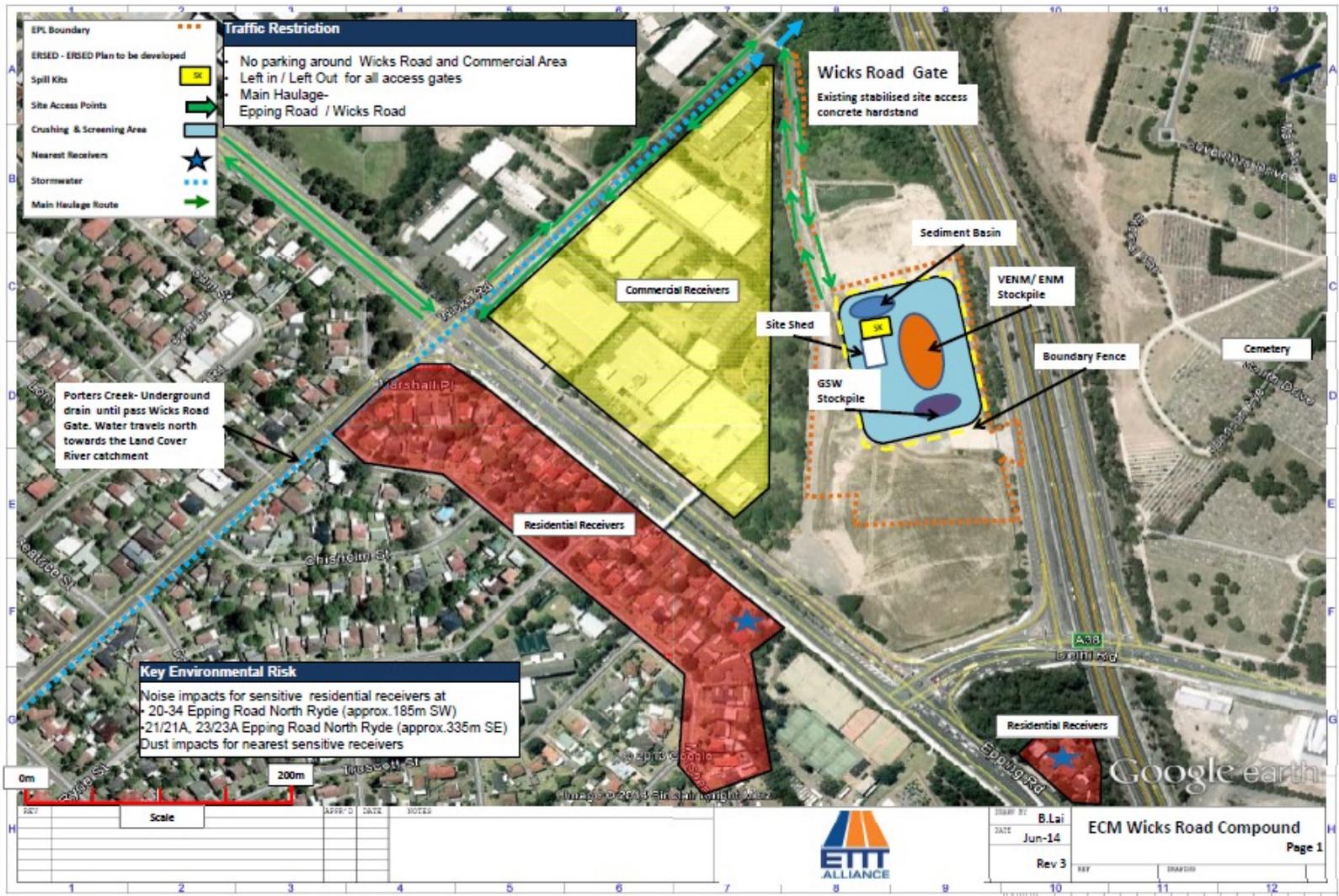












| ETTT Alliance Points of Contact | | |
|---------------------------------------|--------------------------|--------------|
| ETTT 24 Hr Construction Response Line | For all Complaints | 1800 775 465 |
| ETTT Info Line | For all Public Enquiries | 1800 884 490 |
| Construction Manager (CM) | Chris Bentley | 0424 447 055 |
| Area 1 Manager (AM) | David Ryder | 0412 369 249 |
| Area 2 Manager (AM) | Andy Naylor | 0411 254 183 |
| Lead Site Foreman (SF) | Shane Pearce | 0418 215 858 |
| Environmental Coordinator (EC) | Billy Lal | 0410 898 818 |
| Environmental Manager (EM) | Graet Steenberg | 0430 395 234 |
| Safety Manager (SM) | Mike Loring | 0434 078 930 |
| Communications Manager (COM) | Sanjin Muhic | 0401 898 382 |

| Hours of Work | | |
|---|--|--|
| Construction Works - Wicks Road Compound | | |
| Approval for Use: 4 March 2014 to 4 March 2015 | | |
| Staff Access: Monday - Friday (8am - 5pm) Saturday (7am-2pm) | | |
| Haulage: Friday (7am - 6pm) Saturday (8am-1pm) | | |
| Out of Hours Delivery | | |
| ETTT Out of Hours Works Approval Protocol / Subject EM approval | | |
| Construction Works - Out-of-Hours/Sundays/Public Holidays | | |
| ETTT Out of Hours Works Approval Protocol / Subject EM approval | | |
| Subject to EPL variation and ROL requirements. | | |

| Noise and Vibration Management | | |
|---|----------|--|
| Doc Ref: Construction Noise and Vibration Management Plan / TNSW Construction Noise Strategy | | |
| Noise Monitoring Record Form / Plant and Equipment Noise Measurement Record Form | | |
| Implementation of Controls: | Resp. | |
| Mitigation measures documented in the ETTT Construction Noise and Vibration Management Plan. These measures may include, but not be limited to: | SFI/AMEC | |
| <ul style="list-style-type: none"> Place stockpiles and sheds between the works and receivers where possible All plant and equipment will be maintained in good working order and operated in an efficient manner All plant and equipment shall be turned off when not being used. Sensitive receivers to be notified of the complaints phone line should they wish to lodge a complaint. Noise monitoring to occur during representative stages of works to confirm predictions. Letter box drops Individual briefings Briefing of the work team in order to create awareness of the locality of sensitive receivers and the importance of minimising noise emissions Planning the higher-noise activities and work near residential receivers to be undertaken predominantly during less sensitive periods, where reasonable and feasible Non-tonal reversing alarms fitted on construction vehicles Comply with all noise conditions of the EPL. For all Out of Hours Works, must follow ETTT Out of Hours Works Approval Protocol. Noise management levels (NML) for this site are 64 dB(A) for Daytime and 48 dB(A) for night time. | SFI/AMEC | |
| Vibration mitigation measures include: | SFI/AMEC | |
| <ul style="list-style-type: none"> vibration generating plant and equipment would be located in areas with lower vibration impacts on sensitive receivers lower vibration generating equipment and plant would be used consecutive works with high vibration levels in the same locality would be minimised | SFI/AMEC | |
| Monitoring and Reporting | | |
| Undertake environmental surveillance and noise monitoring. | EC | |
| Noise monitoring results will be updated to Leighton Contractors webpage | EC | |

| Crushing and Screening Operation | | |
|---|--|--|
| Equipment and Operation | | |
| The crushing and screening operation will process material generated at site cuttings along the ETTT Corridor. Similar to the M2 Upgrade it is proposed to operate two crushing and screening operations at this compound. Plant and equipment required as part of the crushing and screening operations include: | | |
| <ul style="list-style-type: none"> mobile jaw crusher (2) excavator (20) (2) front loader tipper truck, and water tanker. | | |
| The delivery of cutting material and associated crushing and screening operations would occur during the standard daytime construction hours and on weekend day times during rail possessions in accordance with EPL approvals. Processed materials will be stockpiled at the site until suitable beneficial re-use sites are identified around Sydney. | | |
| Some non-crushable material such as shale would also be brought to the site in order to transfer that material into larger trucks for transport across Sydney to land developments requiring that type of general fill. This material may be stockpiled for a period to optimise beneficial re-use disposal options. | | |

| Chemical Storage and Refuelling | | |
|--|---------|--|
| Implementation of Controls: | Resp. | |
| All fuels, oils and chemicals are to be kept in a bunded area, away from waterways (>50m) and away from other environmentally sensitive areas where practical. The bunded area is to be constructed in accordance with AS 1940.2004. | SF / AM | |
| Refuelling- <ul style="list-style-type: none"> Maintain a 50m buffer to waterways A fully maintained spill kit will be stored on the fuel truck Only the driver of the fuel truck is to operate the fuel pump Turn on fuel pump and ensure counter is reset Refuelling operations are to be closely monitored at all times The refuelling operator is to stay close to the 'stop' valve/trigger at all times At the completion of refuelling, ensure the pump is switched off and nozzle is securely in the cradle, and record the quantity of fuel used | SFI/PE | |
| Monitoring and Reporting | | |
| Undertake environmental surveillance. | EC | |
| Weekly environmental inspection checklist | EC | |

| Traffic Management | | |
|--|---------------|--|
| Doc Ref: Traffic Management and Access Plan / Traffic Control Plan | | |
| Implementation of Controls: | Resp. | |
| 10km limit for site vehicles when on the work site | All personnel | |
| Heavy vehicles would be restricted to specified routes, with the aim of avoiding local streets, high pedestrian areas and school zones. Where feasible, route markers would be installed for heavy vehicles along designated routes. | SM | |
| Directional signage would be provided at each access points. | SM | |
| Limit off-site construction vehicle parking to designated areas. | SF | |
| Areas of temporary on-street parking during peak construction events would be identified in the traffic management plans to minimise the impact on surrounding properties and businesses. | SF | |
| The queuing and idling of construction vehicles in residential streets would be minimised. | EC | |
| Traffic/trucks to follow haulage on traffic management plan approved by Council | SM | |
| No parking of construction vehicles at Wicks Road and commercial areas | SF | |
| Road sweeper to be available to clean dislodgement of roads if required | AM | |
| Left in / left out for all access gates for all site area unless stated otherwise on the vehicle management plan. | SF | |
| Monitoring and Reporting | | |
| Undertake inspections of local roads and access points | EC | |
| Weekly environmental inspection checklist | EC | |

| Stakeholders and Consultation | | |
|---|--|--|
| Doc Ref: Stakeholders and Community Involvement Plan (SCIP) | | |
| Complaints handling: | | |
| All complaints/contacts to be directed to the ETTT Information Line 1800 884 490 and 24 hour enquiry number 1800 775 465 and Communications Manager (COM) or delegate immediately. | | |
| Notification of new works: | | |
| Newsletters and other communication tools would be distributed to keep the community informed of upcoming activities and impacts. This would include providing information on out of hours works and how to find out more about the project and register complaints in relation to the works. | | |
| Stakeholders/community to be consulted of new works (potentially impacting) via notifications, e. letterbox drops/newsletters/one to one consultation at least 10 days prior to works (14 days preferred). | | |
| Out of hours works: | | |
| For approved works outside normal hours, local residents to be informed via letterbox drop /-14 days prior to commencement of any out of hour works. | | |
| General: | | |
| When in close proximity/day works consider neighbours' privacy and amenity. | | |
| Access/driveways to be kept free from Project vehicles/machinery/plant at all times. | | |

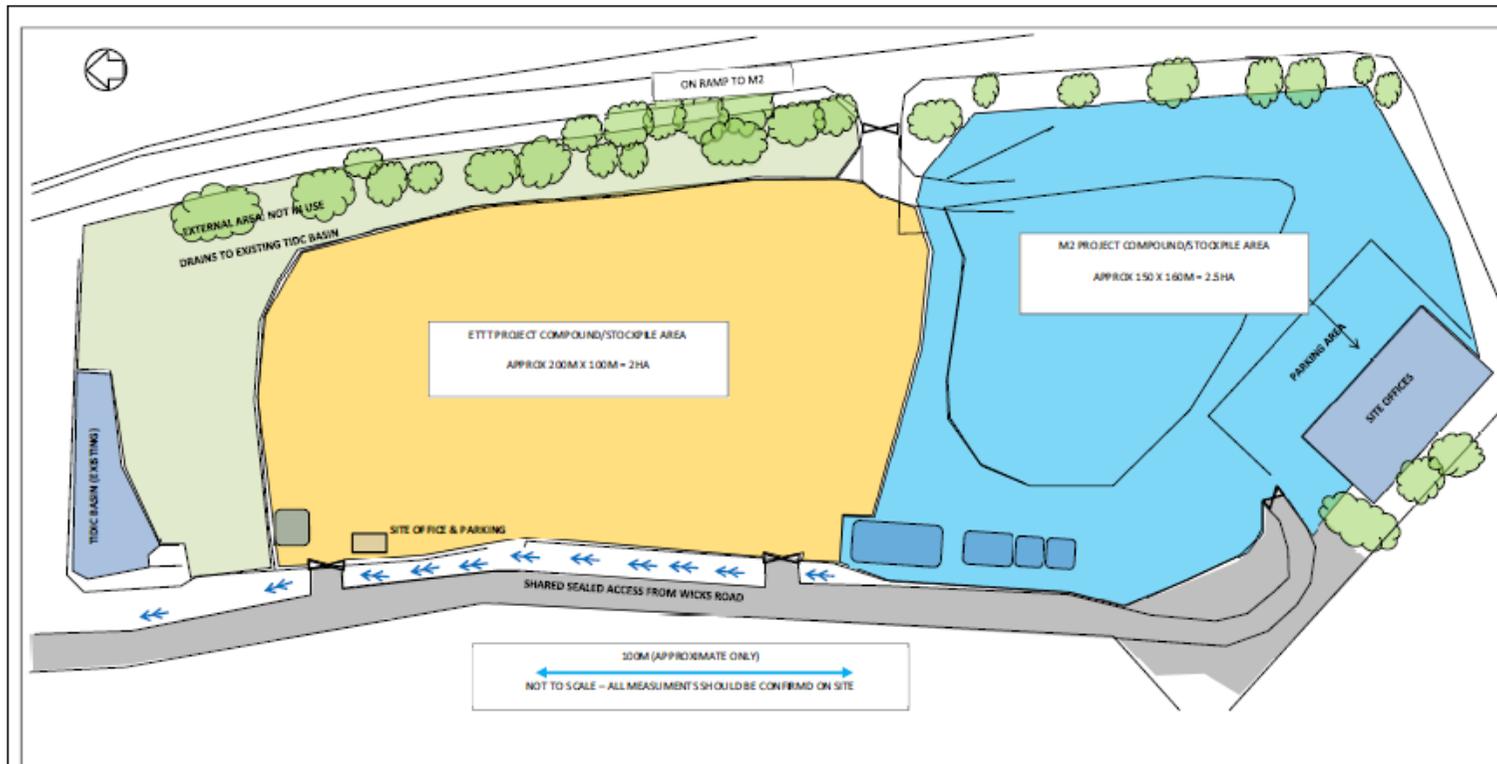
| Flora & Fauna Management | | |
|--|------------------------|--|
| Doc Ref: Construction Flora and Fauna Management Plan / Nest Box Plan | | |
| Unexpected Ecological Find Procedure / Vegetation Clearing Procedure | | |
| Permit to Enter Environmental No Go Area / Myrtle Rust Management Procedure | | |
| Working Around Trees Guidelines / Weed Management Procedure | | |
| Implementation of Controls: | Resp. | |
| Where work activities are located in areas proximity to RPT / Native vegetation habitat and burning is to be installed around the work location to identify the extent of permissible work. | SFI/EC | |
| All workers would be provided with an environmental induction prior to commencing work on-site. This induction would include information on the ecological values of the site, protection measures to be implemented to protect biodiversity and penalties for breaches. | SFI/EC | |
| For all vegetation clearing, a pre-clearing checklist will be completed following our CEMP. | EC/SF | |
| The EC would be present onsite during vegetation clearing activity and a permit must be in place for prior to entering environmental no go areas. | EC/EM | |
| Hold Points | | |
| Encountering Fauna - if any fauna is encountered, stop work in the immediate area and contact the EC (refer to the Fauna Handling Management Plan). | EC (Resp. for Release) | |
| Monitoring and Reporting | | |
| Undertake environmental surveillance | EC | |
| Weekly environmental inspection checklist | EC | |

| REV | ASSIGNMENTS | APPR'D | DATE | NOTES |
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| ISSUED BY | B.Lai | ECM Wicks Road Compound |
| DATE | Jun-14 | |
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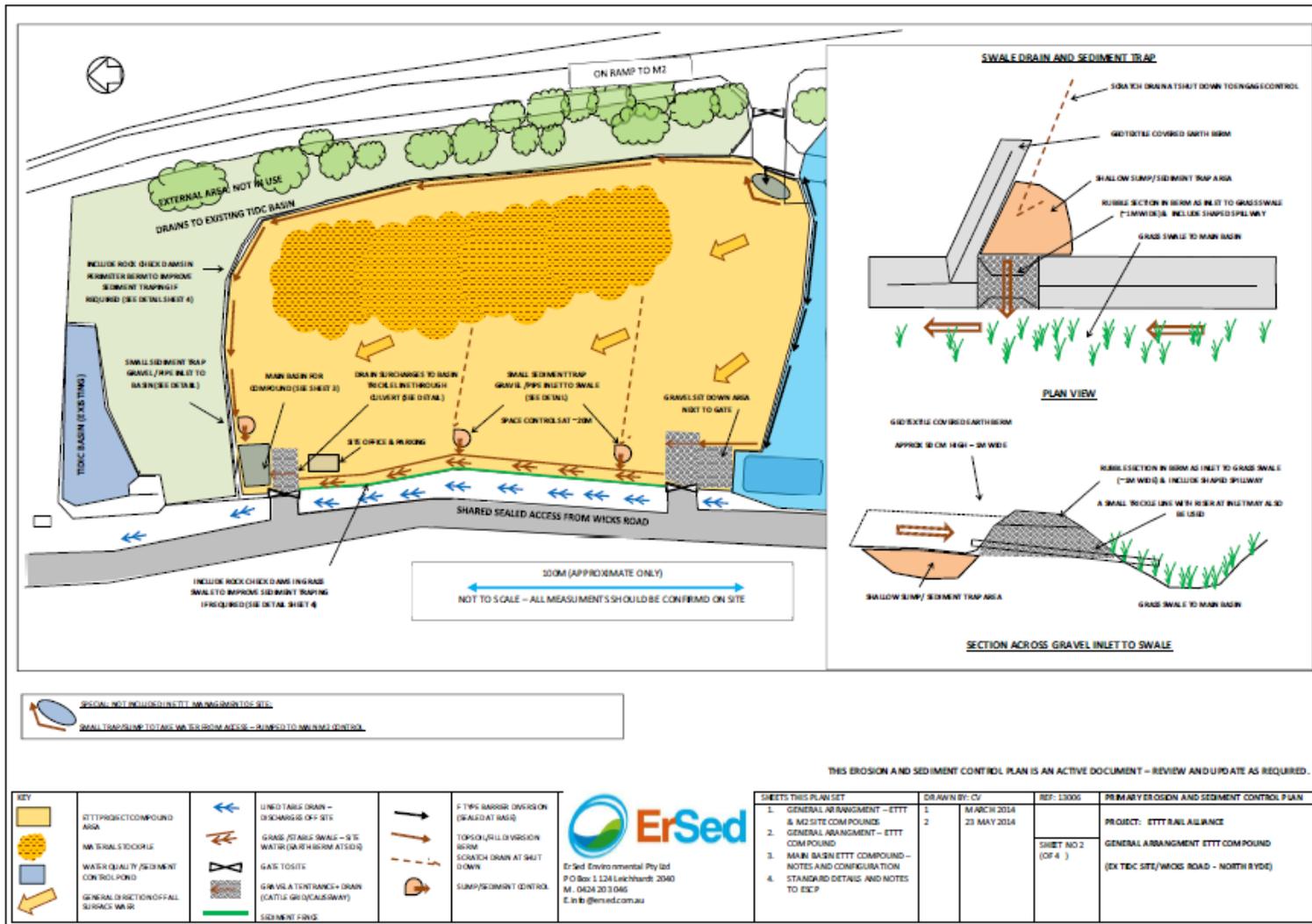
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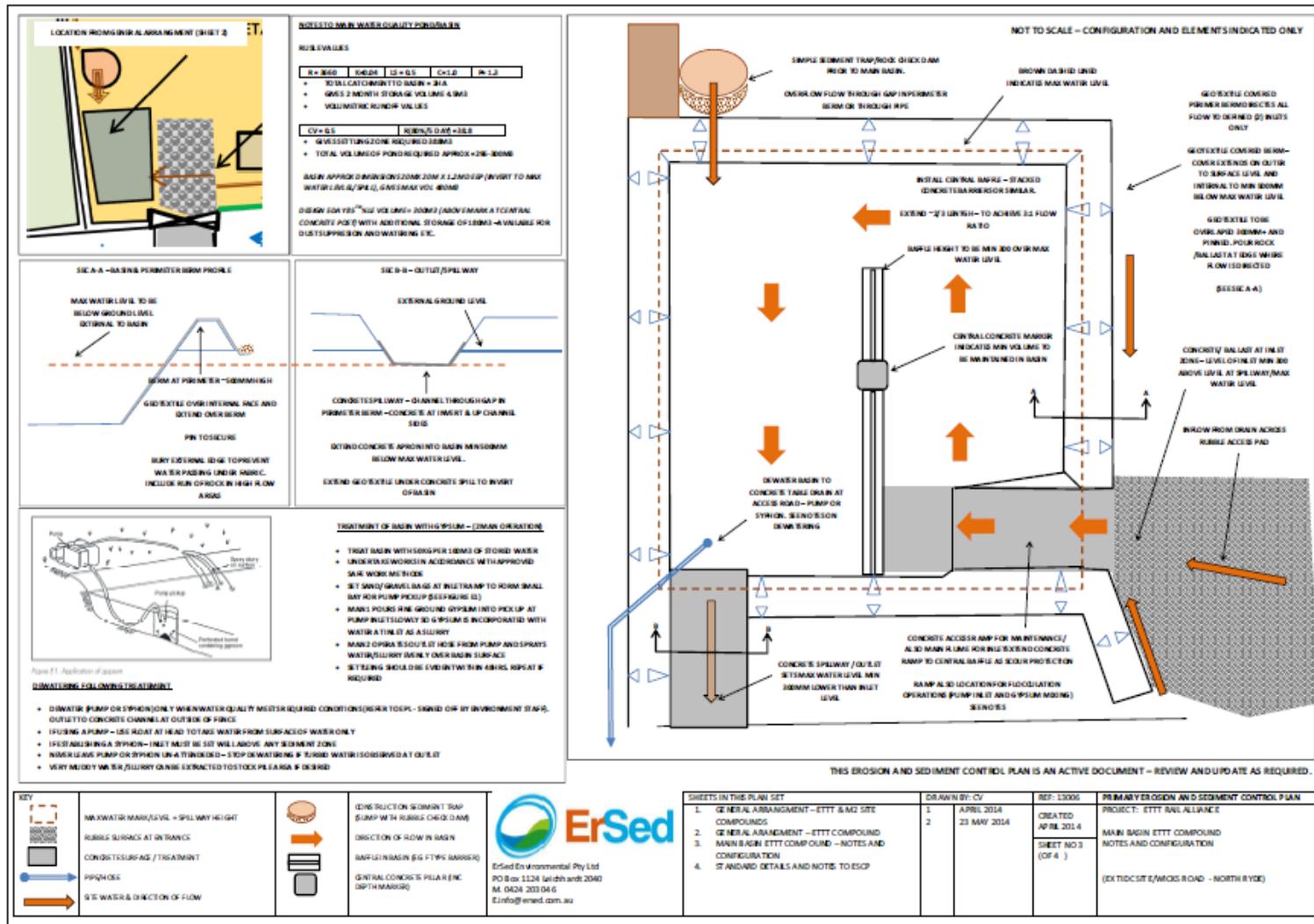
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|---|--|---|-----------------------|---|---|---|-----------------------|---|---|----|-------------------------|----|
| A | Contamination Management | | | | Heritage Management | | | | Surface and Ground Water Management- Site Specific | | | |
| | Doc Ref: Contamination Management Plan / Asbestos Management Plan Unexpected Discovery of Asbestos Procedure Unexpected Discovery of Contamination Procedure | | | | Doc Ref: Construction Heritage Management Plan Unexpected Heritage or Human Skeletal Remains Find Procedure | | | | Doc Ref: Construction Soil and Water Quality Management Plan Construction ERSED Plan Construction Water Flocculation and Discharge Procedure | | | |
| | Implementation of Controls: | | Resp. | | Implementation of Controls: | | Resp. | | Implementation of Controls: | | Resp. | |
| | Induct personnel to Unexpected Discovery of Contamination Procedure | | EC | | Should any 'telics' be discovered during works, the NSW Heritage Council would be notified in accordance with Section 146 of the Heritage Act 1977. | | EC / EM | | No discharge of water is permitted without Permit to Pump All fuels, chemicals and hazardous liquids would be stored within bunded area in accordance with Australian standards and EPA Guidelines. Emergency spill kits would be kept on-site at all times. All staff would be made aware of the location of the spill kits and be trained in their use. | | AM / SF / EC SF / EC | |
| B | Hold Point | | | | If any unanticipated archaeological deposits are identified within the proposal site, work likely to impact on the deposit would cease immediately and the NSW Heritage Council and an archaeologist would be contacted. Where required, further archaeological work and/or consents would be obtained prior to works recommencing at the location. | | | | Construction plant, vehicles and equipment would be refuelled off-site, or in designated re-fuelling areas located at a minimum distance of 50 metres from drainage lines or waterways. | | | |
| | If suspected contamination found (asbestos) - stop work and contact SM / EM. Actions will be undertaken in accordance with Unexpected Contamination Finds Protocol. | | | | If Aboriginal objects are located during works, all works must stop in the vicinity of the find, and the NSW Office of Environment and Heritage, Metropolitan Local Aboriginal Land Council, Deerubbin Local Aboriginal Land Council and an archaeologist would be notified. Where required, further archaeological investigations would be undertaken before works recommence. | | | | No discharge of water is permitted without Permit to Pump For all site water discharge (land or water), it must comply with 'OurWay-Construction Water Flocculation and Discharge Procedure'. All water must be tested to the relevant criteria prior to discharge. A sediment basin will be designed and installed onsite with ERSED controls implemented. | | | |
| C | Waste Management | | | | Hold Point | | | | Monitoring and Reporting | | | |
| | Doc Ref: Construction Waste and Resource Use Management Plan | | | | Unexpected Heritage Find (incl human remains) - cease immediately - contact EC/EM -STOP Work from to be completed - install fence - no works until approved. | | | | Undertake environmental surveillance. Weekly environmental inspection checklist | | | |
| | Implementation of Controls: | | Resp. | | Undertake weekly environmental surveillance. | | EC | | | | | |
| | Setup waste areas (working areas and waste bins) | | SF / AM / EC | | | | | | | | | |
| D | All wastes are to be classified prior to disposal, tracked using the materials tracking form and taken to an appropriately approved disposal facility. | | SF/EC/ Haulage | | Air Quality & Dust Management | | | | Visual Amenity | | | |
| | Monitoring and Reporting | | | | Doc Ref: Construction Air Quality Management Plan | | | | Materials and machinery should be stored tidily during the works. | | | |
| E | Spill and Emergency Response Management | | | | Implementation of Controls: | | | | Monitoring and Reporting | | | |
| | Doc Ref: Environmental Incident or Non-compliance Report Form / Environment and Pollution Incident Response and Notification Management Procedure (PRIMP) / Spill Response Procedure | | | | Induct personnel on potential dust sources and mitigation measures | | | | Undertake environmental surveillance. Weekly environmental inspection checklist | | | |
| | Implementation of Controls: | | Resp. | | Limit vehicle speeds on site to 10km/h to prevent dust. | | All Project Personnel | | | | | |
| | Induct personnel on the Spill management Tool and Emergency Response during Site Induction | | EC | | Shut down vehicles and plant equipment when not in use. | | All Project Personnel | | | | | |
| F | Ensure spill kits are located in Plant and / or work utility vehicles, and at key work areas and compounds. | | EC/SF | | Undertake pre-start checks before using vehicles and remove non-compliant or faulty vehicles from site. | | All Project Personnel | | | | | |
| | Undertake pre-start checks before using vehicles and remove non-compliant or faulty vehicles from site. | | All Project Personnel | | Remove dirt from roads where required. (brooms/street sweepers) | | SF / PE | | | | | |
| | Hold Points | | | | Watercart and water spray to be used as a key measure for site dust suppression where applicable. | | SF | | Cumulative Impacts | | | |
| | REPORT ALL Environmental Incidents to the EM as per the Emergency Response and Incident Management Plan. | | All Project Personnel | | Switch motors off when not in use for extended periods. | | SF / PE | | Implementation of Controls: | | Resp. | |
| G | | | | | Sealing of access gates and high traffic haul roads where applicable required. Refer to sample drawings for stabilised access, wash bay and vibration grid establishment. | | SF/EC | | Noise- Work crew at adjacent noise catchment area should be mindful about work restriction on high impact noise 3 on 1 off condition of the EPL. Work staging and communication between work crew and foremen should be undertaken where possible to mitigate cumulative noise impacts. | | SF / EC | |
| | | | | | Installation and use of water sprays on crushing and screening plant. Use of dust suppression system as required to limit the generations of dust. | | SF | | Air Quality- Minimise cumulative dust impact via work staging and communication between work crew and ensure adequate dust suppression are available in the area. | | SF/EC | |
| | | | | | Use of dust suppression additives to water supply as determined by the success of the trial. | | SF | | Traffic- Minimise cumulative traffic by reviewing work site access and comply with parking requirements as per the vehicle management plan. | | SF | |
| | Monitoring and Reporting | | | | Daily visual surveillance of dust generating activities by Foremen Undertake environmental surveillance Weekly environmental inspection checklist | | EC | | Monitoring and Reporting | | | |
| H | REF | | | | DATE | | | | DATE | | | |
| | | | | | | | | | B.Lai Jun-14 | | | |
| | | | | | | | | | Rev 3 | | | |
| | | | | | | | | | ECM Wicks Road Compound Page 3 | | | |



THIS EROSION AND SEDIMENT CONTROL PLAN IS AN ACTIVE DOCUMENT - REVIEW AND UPDATE AS REQUIRED.

| KEY | | | | SHEETS IN THIS PLAN SET | DRAWN BY: CV | REF: LXXX | PRIMARY EROSION AND SEDIMENT CONTROL PLAN |
|-----|----------------------------|--|--|---|---------------|--------------------|---|
| | M2 PROJECT COMPOUND AREA | | DIRECTION OF FLOW - UNID. TAIL GATE DRAIN - DISCHARGE TO SITE | 1. GENERAL ARRANGEMENT - ETTT & M2 SITE COMPOUNDS | 1. MARCH 2014 | CREATED MARCH 2014 | PROJECT: ETTT RAIL ALLIANCE |
| | ETTTPROJECT COMPOUND AREA | | GATE TO SITE | 2. GENERAL ARRANGEMENT - ETTT COMPOUND MAIN BASIN ETTT COMPOUND - NOTES AND CONFIGURATION | 2. MAY 2014 | SHEET NO 1 (OF 4) | GENERAL ARRANGEMENT |
| | GRASSED OR ROWS GATED AREA | | WATER QUALITY / SEDIMENT CONTROL POND | 4. STANDARD DETAILS AND NOTES TO ESCP | | | ETTTPROJECT COMPOUND (EXT. TIOC SITE/WICKS ROAD - NORTH RYDE) |
| | | | | | | | |
| | | | ErSed Environmental Pty Ltd PO Box 1124 Leichhardt 2040 NSW 1585 E: info@ersed.com.au | | | | |





SECTION DETAIL

1.5 m star pickets of max. 2.5 m centres

500 mm to 600 mm

600 mm min.

Self-supporting geotextile

Direction of flow

On wall, 150 mm x 100 mm trench with composted biochips and 40 rock, set into surface concrete

Disturbed area

Direction of flow

1.5 m star pickets of max. 2.5 m centres

Undisturbed area

30 m wide (unless otherwise stated/ESCP)

Flow

Min. 1.5 m

Star pickets at maximum 2.5 m spacings

PLAN

Construction Notes

- Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10-year event.
- Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be attached.
- Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. Ensure any star pickets are fitted with safety caps.
- Fit self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fit the geotextile with tentails as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
- Join sections of fabric at a support post with a 150-mm overlap.
- Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

SEDIMENT FENCE **SD 6-8**

Construction site

Min. width 3 metres

Min. length 15 metres

200 mm min.

300 mm min.

Priority boundary

Existing roadway

Geotextile fabric designed to prevent intermixing of subgrade and base material and to maintain good properties of the sub-base layers. Geotextile may be a variety of needle punched fabric with a minimum 'tensile' strength (ASTM 6904-01) of 2500 N

Result directed to sediment trap/fence

Construction Notes

- Strip the topsoil, level the site and compact the subgrade.
- Cover the area with needle punched geotextile.
- Construct a 200-mm thick pad over the geotextile using road base or 30-mm aggregate.
- Erase the structure in at least 15 metres long or to building alignment and at least 3 metres wide.
- When a sediment fence joins onto the stabilised access, construct a hump in the stabilised access to divert water to the sediment fence.

STABILISED SITE ACCESS **SD 6-14**

150 mm min.

Spillway 150 mm min.

Rock trenched 200 mm into ground

Aggregate or recycled concrete

FLOW

Spacing of check dams along centreline and other protection below each check dam to be specified on SWMP/ESCP

Construction Notes

- Check dams can be built with various materials, including rocks, logs, sandbags and straw bales. The maintenance program should ensure their integrity is retained, especially where constructed with straw bales. In the case of bales, this might require their replacement each two to four months.
- Trench the check dam 200 mm into the ground across its whole width. Where rock is used, fill the trenches to at least 100 mm above the ground surface to reduce the risk of undercutting.
- Normally, their maximum height should not exceed 600 mm above the gully floor. The centre should act as a spillway, being at least 150 mm lower than the outer edges.
- Space the dams so the top of the upstream dam is level with the spillway of the next downstream dam.

ROCK CHECK DAM **SD 5-4**

SITE MANAGEMENT:

- KEEP ALL AREAS OUTSIDE DESIGNATED WORK AREAS FREE OF CONSTRUCTION MATERIAL AND LOOSE SEDIMENT
- SEDIMENT CONTROLS ARE TO BE MAINTAINED AT ALL TIMES
- ALL ROAD SURFACES ARE TO BE MAINTAINED SWEEP AND FREE OF SEDIMENT. REPAIR AND MAINTAIN SURFACE OF ACCESS ROAD AS REQUIRED
- INSPECT AND CLEAR CONCRETE SWALE DRAIN AT SIDE OF ACCESS ROAD ON REGULAR BASIS
- CONSTRUCTION ACCESS POINTS TO BE HARDENED WITH BALLAST OR SIMILAR (SEE STANDARD DETAILS). CONSTRUCTION ACCESS POINTS TO BE KEPT CLEAR OF LOOSE MATERIAL
- ALL SITE WATERS TO BE MANAGED TO MAIN BASIN
- ALL DEWATERING OF MAIN BASIN TO REQUIRE APPROVAL OF SITE MANAGER OR PROJECT ENVIRONMENT TEAM

AT SHUT DOWN:

- ALL CONTROLS TO BE INSPECTED PRIOR TO SHUT DOWN & FOLLOWING RAIN FALL EVENTS.
- SCATCH DRAINS TO BE INSTALLED TO DIRECT SURFACE WATER TO LOCAL SEDIMENT TRAPS AND GRASS SWALE DRAIN TO BASIN

AT REVISED SHUT-DOWN:

- STOCKPILE AREAS TO BE SHAPED TO REDUCE GENERATION OF SEDIMENT
- LOCAL BERM'S OF SITE MATERIAL OR NATURAL ROCK MAY BE FORMED AROUND TOE OF STOCKPILES AS INITIAL SEDIMENT TRAPS

THIS EROSION AND SEDIMENT CONTROL PLAN IS AN ACTIVE DOCUMENT – REVIEW AND UPDATE AS REQUIRED.

| | | | | |
|---|--|---|---|---|
| <p>ErSed Environmental Pty Ltd PO Box 1124 Leichhardt 2040 M. 0424 203 046 E. info@ersed.com.au</p> | <p>SHEETS IN THIS PLAN SET</p> <ol style="list-style-type: none"> GENERAL ARRANGEMENT – ETTT & M2 SITE COMPOUNDS GENERAL ARRANGEMENT – ETTT COMPOUND MAIN BASIN ETTT COMPOUND – NOTES AND CONFIGURATION STANDARD DETAILS AND NOTES TO ESCP | <p>DRAWN BY: CV</p> <p>1 23 MAY 2014</p> | <p>REF: L3006</p> <p>CREATED MAY 2014</p> <p>SHEET NO 4 (OF 4)</p> | <p>PRIMARY EROSION AND SEDIMENT CONTROL PLAN</p> <p>PROJECT: ETTT RAIL ALLIANCE</p> <p>STANDARD DETAILS AND NOTES TO ESCP</p> <p>ETTT SITE COMPOUND (EXTD. SITE/WAGGS ROAD – NORTH RYDE)</p> |
| | <p>THIS EROSION AND SEDIMENT CONTROL PLAN IS AN ACTIVE DOCUMENT – REVIEW AND UPDATE AS REQUIRED.</p> | | | |

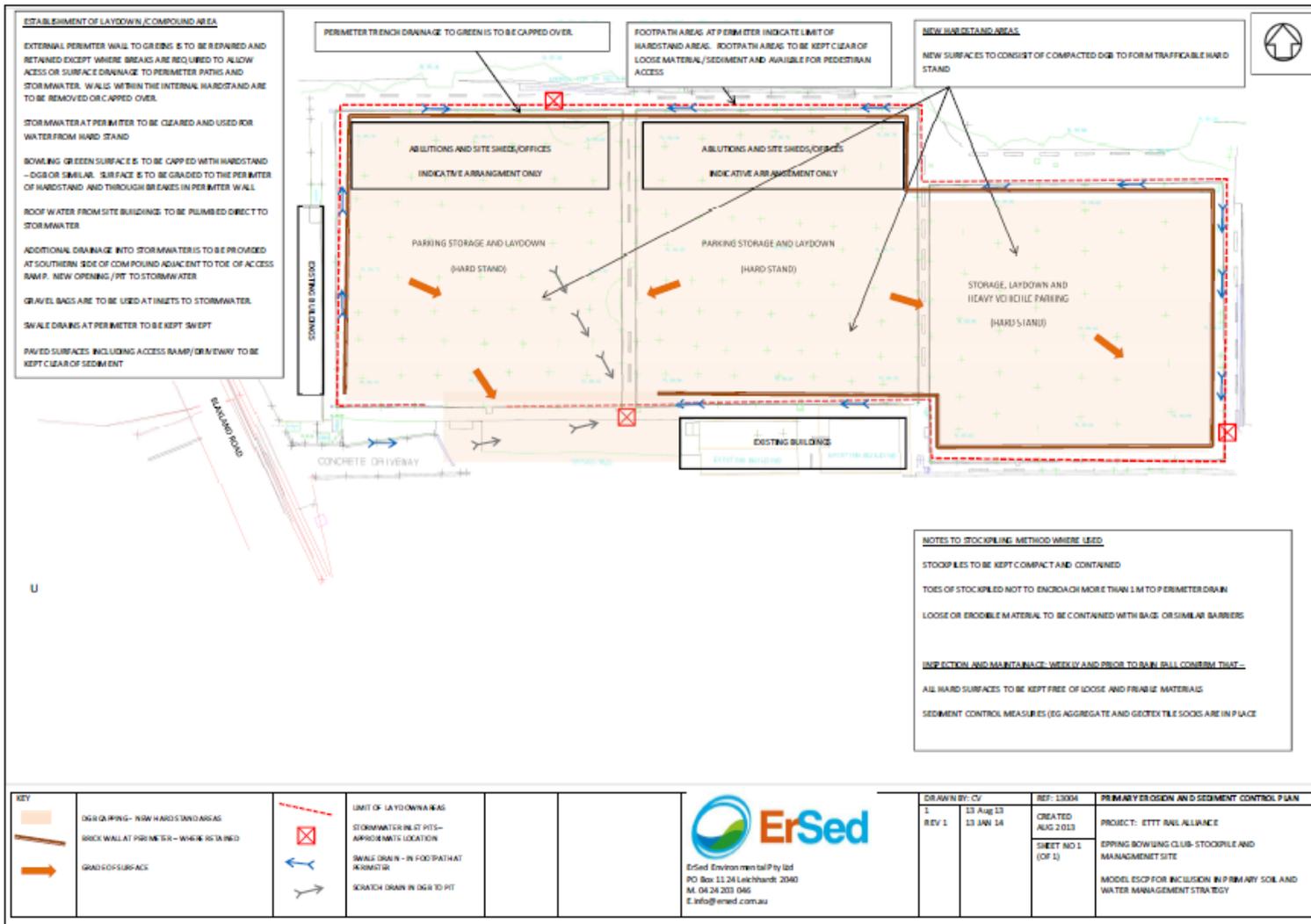
ETTT Alliance Points of Contact

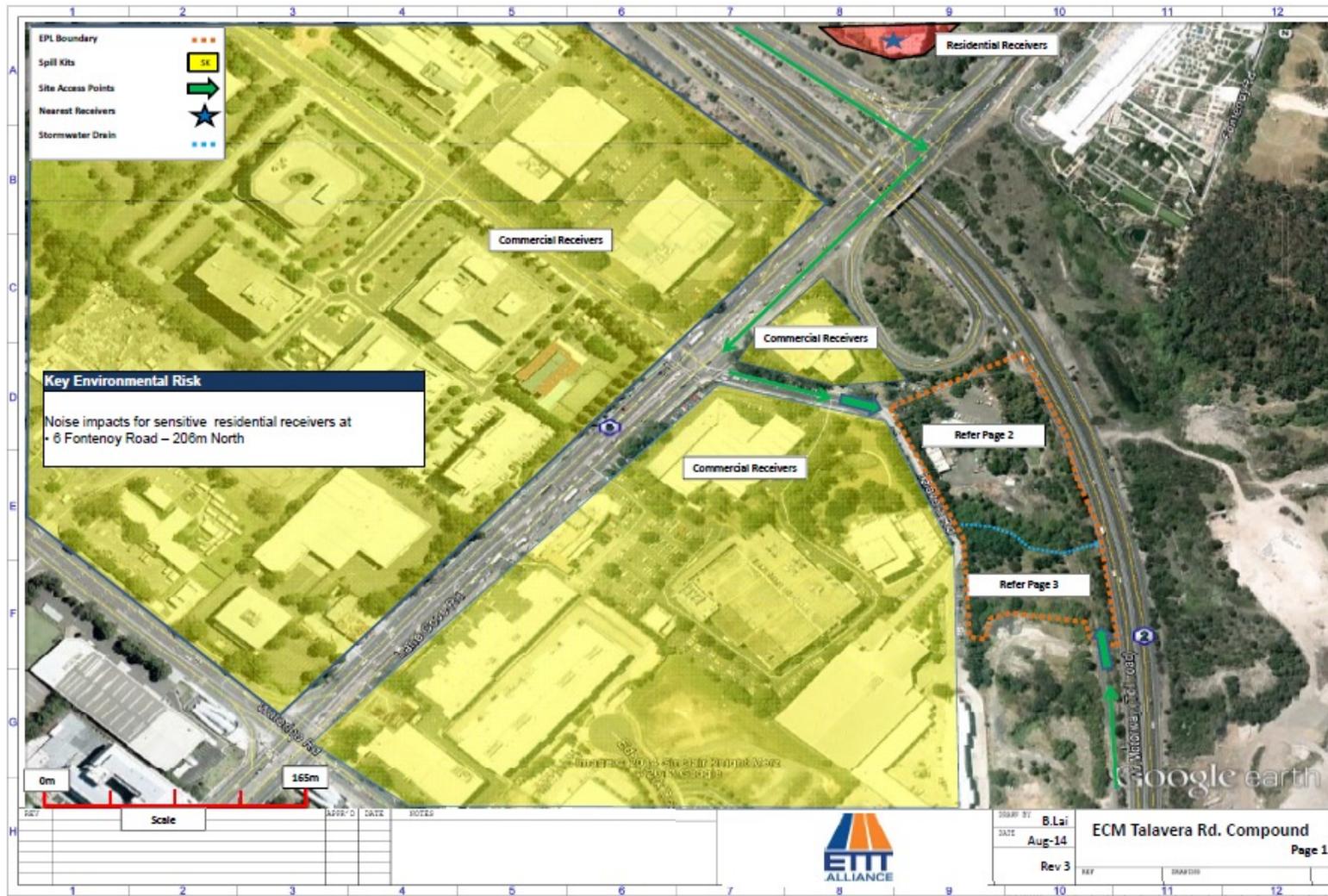
| | | | | | |
|--|---------------------------------|---------------------|---------------------------------------|----------------------|---------------------|
| ETTT 24 Hr Construction Response Line | For all Public Enquiries | 1800 776 486 | Construction Manager (CM) | Chris Bentley | 0404 447 055 |
| Area1 Manager (AM) | David Ryder | 0412 369 249 | Compound Foreman (FM) | John Reynolds | 0423 625 459 |
| Lead Site Foreman (SF) | Shane Pearce | 0418 215 856 | Environmental Manager (EM) | Grant Sainsbery | 0430 395 234 |
| Area 1 Environmental Coordinator (EC) | Billy Lai | 0410 698 818 | Area 2 Environmental Coordinator (EC) | Bradley Cole | 0408 346 233 |
| Safety Manager (SM) | Mike Laing | 0434 076 930 | Communications Manager (COM) | Sanjin Muhic | 0401 696 382 |

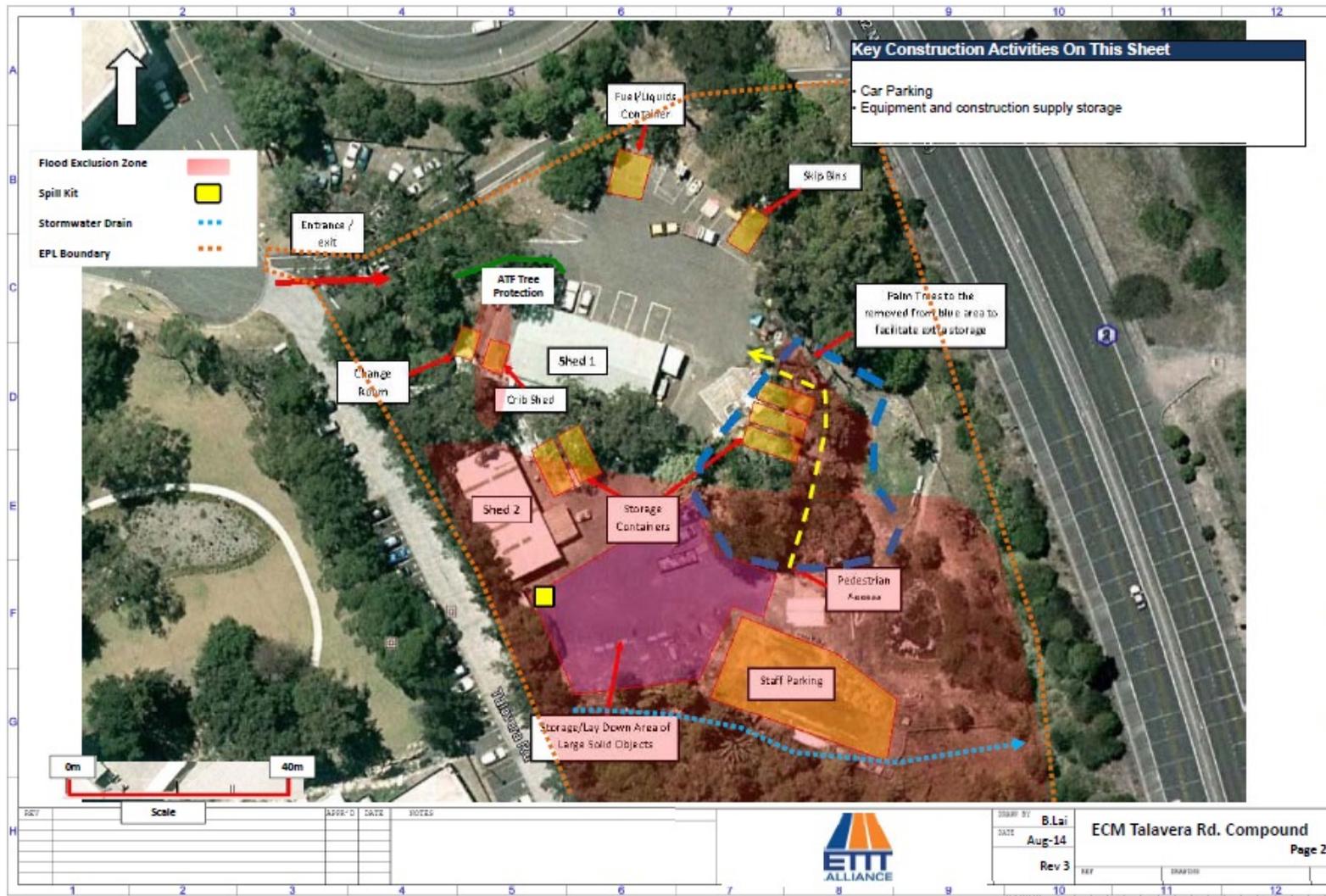
| Factor | Mitigation / Control – NB: All measures included in Attachment A of the application shall be employed as a minimum | Responsibility |
|----------------------------------|---|----------------|
| Hours of Work | Monday – Friday (6am – 5pm) Saturday (7am-1pm) Works outside these hours require prior approval from the Environmental Manager . | FM/EM |
| Noise | Noise mitigation and management measures shall be employed where reasonable and feasible within the SKM site compound noise assessment dated 11 July 2013. This includes the following measures: <ul style="list-style-type: none"> • Avoid shouting, the use of PA's radios or stereos outdoors where neighbours can be affected. • Keep truck drivers informed of designated vehicle routes, parking locations, acceptable delivery hours or other relevant practices (for example, minimising the use of engine brakes, and no extended periods of engine idling). • Avoid the use of equipment which generates impulsive noise (equipment, metal on metal, dropping material). • Avoid mobile plant clustering near residences and other sensitive land uses. • Ensure periods of respite are provided in the case of unavoidable maximum noise level events. • Any noise generating activities on ancillary facility sites are to consider the nearest neighbours, wind direction, duration and time of day prior to commencement (e.g. grinding, sawing, etc). • Equipment shall be orientated away from nearby receivers where feasible to minimise noise impacts. • All plant and equipment shall be maintained in a proper and efficient manner to minimise noise emissions, including replacement of engine covers, repair of defective silencing equipment, tightening of rattling components and the repair of leakages in air lines. • Maximise shielding for nearby receivers by using sheds, with good seals fitted to doors to control noise from night-time work. • Where the vibratory roller is within 20 m of a residential receiver, reduce the roller setting to as low as practical. Alternatively, notify the resident of the likely impact and complete the works as quickly as possible. • Where stationary equipment is used, these should be grouped together where practical, as far from sensitive receivers as possible. • No excessive noise from light and heavy vehicles where possible (including engine braking, horns). • Equipment will be switched off when not in use (including during breaks and down times of more than 30 minutes). | FM/EC |
| Surface and Groundwater | Existing drainage systems within the sealed parking area will be retained for the purpose of stormwater control. Should Construction plant, vehicles and equipment need refuelling, it will be in a nominated area on-site. Mitigation and management measures shall be employed as identified in Attachment A of the Bowling Club application as approved by the Director General. Refer to attached ERGED plan for the compound . (Plan completed by project soil conservation specialist and will be updated should site condition changes). | FM/EC |
| Flora and Fauna | Existing vegetation shall be retained where appropriate to provide screening to adjacent residents and filter views. Should any fauna be encountered on site, work in the immediate area would cease and the EC contacted immediately and WIREs contacted as appropriate for removal Mitigation and management measures shall be employed as identified in Attachment A of the Bowling Club application as approved by the Director General. For any vegetation trimming or removal outside the approved impact area, the TNSW "Application for trimming or removal of vegetation" must be completed and approved by TNSW. | FM/EC |
| Waste Management | Relevant recycling and waste receptacles would be established in designated areas to promote waste separation. All materials removed from site would be tracked in accordance with the Waste Classification Procedure and dockets would be retained . | FM/EC |
| Air Quality and Dust | The compound shall be maintained in a condition that minimises windblown or traffic generated dust. Loads shall be covered when entering the site, or using public roads to prevent any loss of load, whether in the form of dust, solid or liquid Trafficable areas of the site shall be sealed with bitumen/concrete or similar for long-term dust control. Mitigation and management measures shall be employed as identified in Attachment A of the Bowling Club application as approved by the Director General. | FM/EC |
| Heritage Management | No activities are permitted on the southern boundary of the site which is likely to impact on Forest Park. Stop work for unexpected archaeological finds (including skeletal remains) Works shall not commence until investigations have been completed and written approval to recommence obtained. | FM/EC |
| Traffic Management | Vehicles would access the location direct from Blaxland Road to minimise impacts to local streets, high pedestrian areas and commuter parking. Traffic movements shall be managed in accordance with the traffic control plan for the site. Vehicle parking would be restricted to designated areas to minimise the impact on surrounding properties and internal activities where possible Staff would be encouraged to car share or catch public transport to site where possible. | FM/EC |
| Spill and Emergency | A fully stocked spill kit would be on site. | EC |
| Community and Stakeholder | All complaints/contacts to be directed to the ETTT Information Line: 1800 684 490 and 24 hour enquiry number 1800 775 465 and the Communications Manager (COM) or delegate immediately. Prior to the commencement of works, all notification and consultation shall be completed in accordance with the Community Liaison Management Plan. | CM |
| Visual Amenity | Materials and equipment shall be stored tidily. Graffiti at the compound would be managed throughout construction. Structures shall be positioned as close as possible to the existing cutting to shield structures from residents. Treatments to permanent structures shall be considered where reasonable and feasible Temporary screening (such as shade cloth) shall be provided on property boundaries where possible to reduce impacts on the view shed of neighbouring properties Site lighting would be aimed to minimise light spill by positioning lighting away from the site boundary adjacent to sensitive receivers and through the use of directional lighting. | EC/EM |

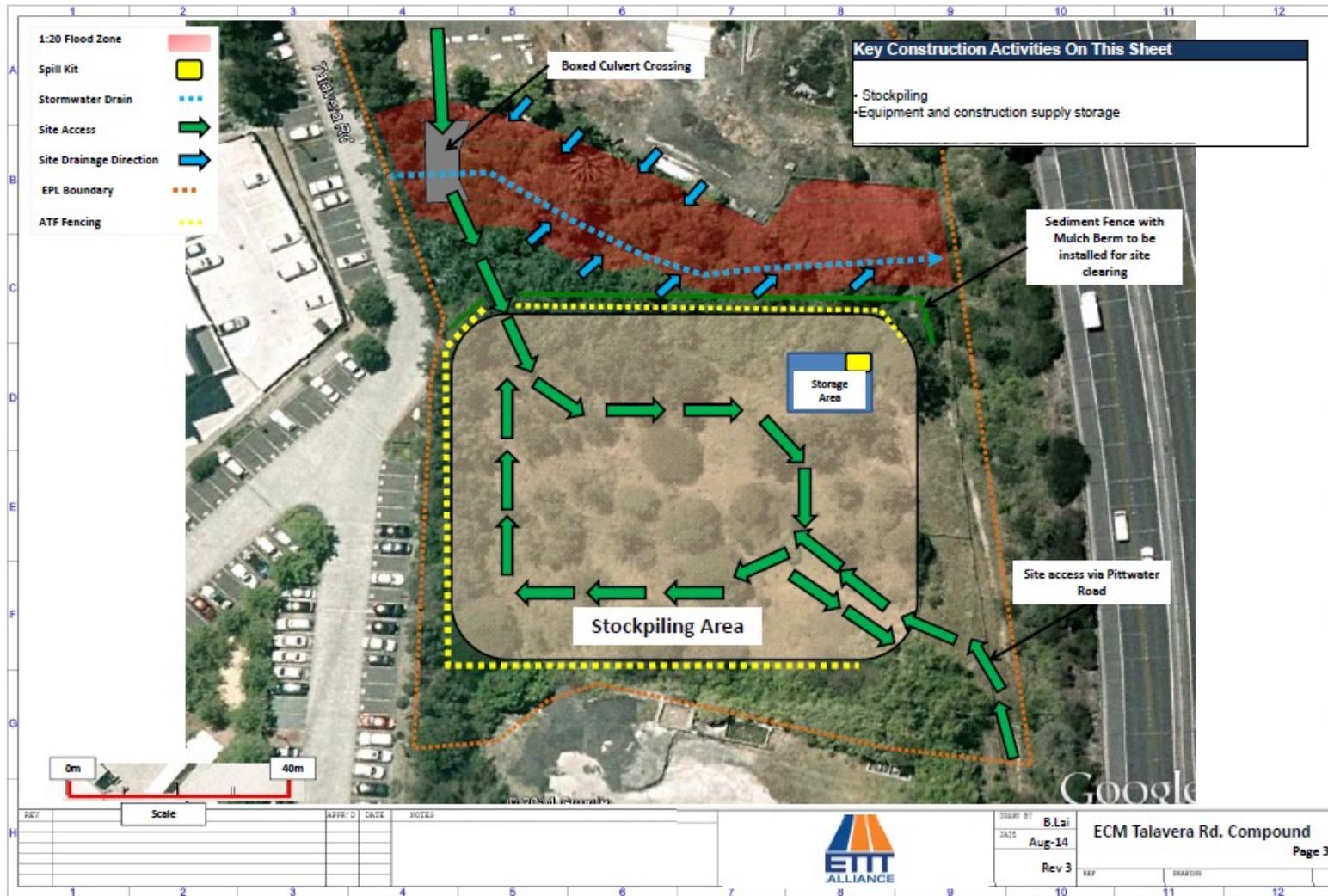
| | | | | | | | |
|-----|-----------|------|----|-------|---|--|--|
| REV | REVISIONS | DATE | BY | NOTES |  | DRAWN BY: B.Lai DATE: Dec-13 Rev-1 | Epping Bowling Club ECM Page 1 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |











Attachment E

Approved Minor Compound Permits

(for facilities determined under MCoA E30)

Additional Ancillary Facilities Application

To be completed for each additional ancillary facility not listed in the CCAFMP
(Submit to Environmental Manager when completed)

| | |
|--|--------------------------------------|
| Site Location: <u>Area 2 - Wangala Creek</u> | Date: <u>26/2/14</u> |
| Area (1 or 2): <u>Area 2. Ch 27+450</u> | Date work to commence: <u>Feb 14</u> |
| Date work to cease: <u>Aug 14</u> | |
| Circle specific activities to be undertaken at the ancillary facility – list others here: <u>site logon shed</u> | |

| | | Temporary facilities | |
|--|---------|----------------------|--|
| Stockpile | Parking | Temporary facilities | bydown/storage |
| Complete the following checklist: Does the ancillary facility: - | | Yes/No | If No. – identify additional environmental controls required (e.g.: near waterway – erosion and sediment controls, near residence – restrict hrs of operation or consult with resident, vegetation protection, heritage walkover, etc – refer to CEMP, sub plans and compound management plan for additional controls) |
| a) Is it in an active construction zone within the rail corridor? | | Yes. | |
| b) Are minimal noise and vibration impacts anticipated at the nearest residence? The nearest resident is <u>approx 60</u> m away from the closest point. | | No | <u>No significant wastes are generated in this location. No attention to current work.</u> |
| c) Are traffic and access impacts anticipated on the nearest residence? The proposed access route is via <u>Wangala Creek</u> . Site access will be via Gate <u>NB.</u> | | No | <u>Location is existing gate so additional impacts.</u> |
| d) Are minimal dust and odour impacts anticipated at the nearest residence? | | Yes | <u>area will be hardstand. No unloading materials at site.</u> |
| e) Are minimal visual and light spill impacts anticipated at the nearest residence? See measure A23 in the CCAFMP for possible mitigation measures. | | Yes | <u>no lighting will be required for location.</u> |
| f) Are there minimal waste management impacts anticipated arising from the operation of the facility? | | Yes. | <u>Bins will be provided for rubbish.</u> |
| g) Will the site require clearing of listed flora and fauna communities? | | No | <u>No additional clearing is required.</u> |
| h) Could the clearing impact listed flora and fauna species beyond that approved for the project and outside the rail corridor construction zone. If yes, Department of Planning Approval may be required. | | No | <u>If yes, see Environmental Manager to determine what further action is required.</u> |
| i) Will the facility impact heritage beyond that approved for the project and outside the rail corridor construction zone. If yes, Department of Planning Approval may be required. | | No | <u>If yes, see Environmental Manager to determine what further action is required.</u> |
| j) Are minimal soil and water impacts anticipated? | | Yes | <u>The area is located inside boundaries and will be contained with existing controls.</u> |
| k) Will a Progressive Erosion and Sediment Control Plan be required? | | Yes | <u>Location included in CEMP.</u> |

Note: Environmental Controls in the CEMP and sub plans and that described in Attachment A of the CCAFMP should be followed where appropriate for all additional ancillary facilities.

General notes/comments: The proposed location will move the site logon shed from Beecroft shopping district to the Wangala location. This will reduce parking issues of congestion of the Beecroft shopping district.

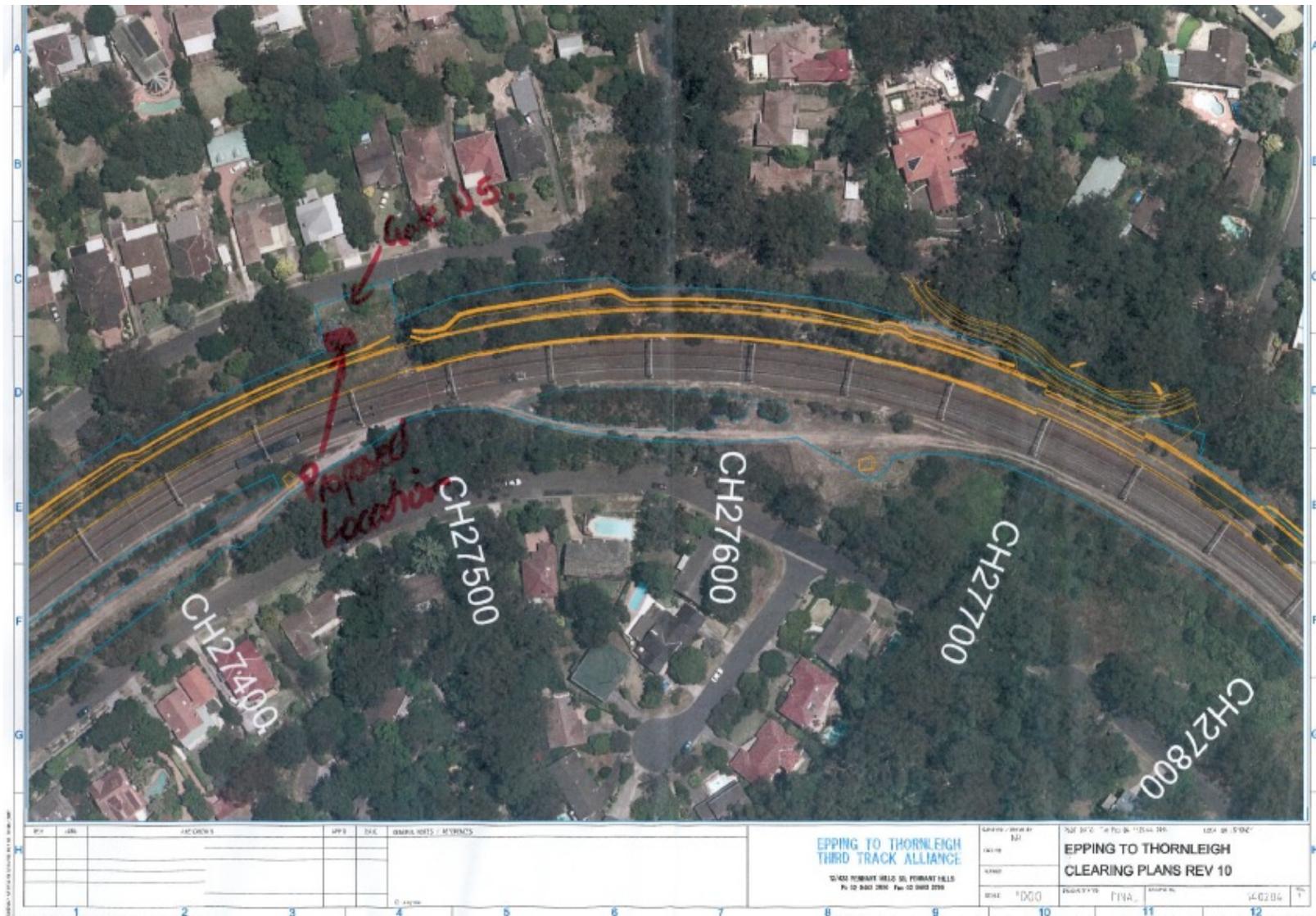
all



| Has a map been attached to this application (application not accepted without a map) | | <input checked="" type="radio"/> YES | |
|---|--|--------------------------------------|-------------------------------------|
| Prepared by (Name, Signature and Date) | Bradley Cole <i>[Signature]</i> 25/2/14 | | |
| Reviewed by Construction Manager (Name, Signature and Date) | <i>[Signature]</i> 28/2/14 | | |
| Ancillary facility construction and use is not allowed until ancillary facility approval permit issued | | | |
| This section only to be filled out by EM | | | |
| Is additional assessment required (i.e. Noise, Ecology, Heritage)? | | YES | <input checked="" type="radio"/> NO |
| If Yes, What? _____ | | | |
| Does the ancillary facility have minimal amenity impacts? | | <input checked="" type="radio"/> YES | NO |
| Does the ancillary facility have minimal environmental impacts? | | <input checked="" type="radio"/> YES | NO |
| Have impacts which can be managed through an ECM, consistent with measures in the CEMP? | | <input checked="" type="radio"/> YES | NO |
| Name | Position | Signature | Date |
| <i>[Signature]</i> | Construction Manager | <i>[Signature]</i> | 26/2/14 |
| <i>[Signature]</i> | Community Manager | <i>[Signature]</i> | 26/2/14 |
| <i>[Signature]</i> | Environment Manager | <i>[Signature]</i> | 26/2/14 |

| Environmental Representative Approval | Signature | Date |
|---------------------------------------|--------------------|---------|
| Andrew Smith | <i>[Signature]</i> | 26/2/14 |

Notes/comments:
 Ensure noise is kept to a minimum particularly when arriving at site to log on. Toolbox site staff on expected behaviour when arriving to log on, including any parking restrictions.





| Additional Ancillary Facilities Application | | | |
|---|--|-------------------------------------|--|
| To be completed for each additional ancillary facility not listed in the CCAFMP (Submit to Environmental Manager when completed) | | | |
| Project: <u>ETT Alliance</u> | | Date: <u>09/09/13</u> | |
| Project Area: <u>Area 1</u> | Date work to commence: <u>Sept '13</u> | Date work to cease: <u>Sept '14</u> | |
| Location of Additional Ancillary Facility: Add map if possible <u>Refer to Attached Map.</u> | | | |
| Circle specific activities to be undertaken at the ancillary facility – list others here: | | | |
| <u>Soil stockpile</u> | Parking | Temporary amenities | Cribtoilet |
| Chemical/fuel storage | <u>Materials laydown</u> | Deliveries/access | Stores shed |
| Complete the following checklist: | | Yes/No | If No, – identify additional environmental controls required <small>(e.g.: near waterway – erosion and sediment controls, near residence – restrict hrs of operation or consult with resident, vegetation protection, heritage walkover, etc – refer to CEMP, sub-plans and compound management plan for additional controls)</small> |
| Is/Does the ancillary facility: - | | | |
| a) Is it in an active construction zone within the rail corridor? | | <u>Y</u> | |
| b) Are there any noise and vibration impacts which may have a major amenity impact on the nearest residence? The nearest resident is <u>approx 50</u> m away from the closest point. | | <u>N</u> | |
| c) Are there any traffic and access impacts which may have a major amenity impact on the nearest residence? The proposed access route is via <u>Southward Rd</u> Site access will be via Gate <u>E7</u> . | | <u>N</u> | |
| d) Are there any dust and odour impacts which may have a major amenity impact on the nearest residence? | | <u>N</u> | <u>Standard dust control measures to be implemented</u> |
| e) Are there any visual and light spill impacts which may have a major amenity impact on the nearest residence? See measure A23 in the CCAFMP for possible mitigation measures. | | <u>N</u> | |
| f) Are there any waste management impacts which may have a major environmental impact? | | <u>N</u> | |
| g) Will the site require clearing? If Yes what species <u>Groundcover / Grasses / weeds</u> | | <u>Y</u> | <u>Weed species as identified by Project Ecologist</u> |
| h) Could the clearing impact listed flora and fauna species beyond that approved for the project and outside the rail corridor construction zone. If yes, Ecologist Walk through on _____. | | <u>N</u> | If yes, see Environmental Manager to determine what further action is required. |
| i) Could the clearing impact heritage beyond that approved for the project and outside the rail corridor construction zone. If yes, Heritage Walk through on _____. | | <u>N</u> | If yes, see Environmental Manager to determine what further action is required. |
| j) Are there any soil and water impacts which may have a major | | <u>N</u> | |



| | | |
|--|---|--|
| environmental impact? | | |
| k) Will a Progressive Erosion and Sediment Control Plan be required? | Y | |

Note, Environmental Controls in the CEMP and sub plans and that described in Attachment A of the CCAPMP should be followed where appropriate for all additional ancillary facilities.

General notes/comments:

Area to be used as spoil laydown area.
Standard ERSO controls to be implemented.

Prepared by
(Name, Signature and Date)

Brackley Cole 

Reviewed by Construction Manager:
(Name, Signature and Date)



Ancillary facility construction and use is not allowed until ancillary facility approval permit issued

This section only to be filled out by EM (all answers must be a YES for ER approval)

Is additional assessment required (i.e. Noise, Ecology, Heritage)? YES NO

If Yes, What? _____

Does the ancillary facility have minimal amenity impacts? YES NO

Does the ancillary facility have minimal environmental impacts? YES NO

Have impacts which can be managed through an ECM, consistent with measures in the CEMP? YES NO

Environmental Manager Name: G. Sambrook

Signature and Date:
G Sambrook 9/9/13

| Additional Ancillary Facilities Approval Permit | | | | | |
|--|---|-------------------------------------|--|-------------------------------------|---|
| Project: <i>ETTT Alliance</i> | | | Date Inspected: <i>21/08/13</i> | | |
| Project Area: <i>Area 1 - Proposed Stockpile @ access track.</i> | | | | | |
| Date work is to start: <i>Sept '13</i> | | | Construction Stage/Activity: <i>Early Works / Access</i> | | |
| Date work is to cease: <i>Sept '14</i> | | | Compliance | | |
| # | Control Measure | Yes | No | N/A | Comments |
| 1. | Has the Additional Ancillary Facilities Application been completed? | <input checked="" type="checkbox"/> | | | |
| 2. | Where required, have additional environmental controls been determined? | <input checked="" type="checkbox"/> | | | |
| 3. | Have the required resources for any additional environmental controls been determined? | <input checked="" type="checkbox"/> | | | |
| 4. | Have any additional personnel such as the project ecologist/archaeological consultant been notified to attend the site and assess the site if required? (attach as appropriate) | | | <input checked="" type="checkbox"/> | <i>Ecologist previously walked proposed stockpile Area.</i> |
| 5. | Have the signatories to this permit walked the area concerned? | <input checked="" type="checkbox"/> | | | |
| 6. | Have all personnel involved been instructed / toolboxed on any additional environmental controls? | | | | <i>Toolbox prior to commencement of stockpile construction</i> |
| 7. | Is neighbor notification required? | <input checked="" type="checkbox"/> | | | <i>See Community Manager notification provided from 1st Aug '13</i> |
| 8. | Has a PESCP been developed for the site? | <input checked="" type="checkbox"/> | | | |
| 9. | Has an ECM been developed for the site? (attach as appropriate) | <input checked="" type="checkbox"/> | | | |
| Add further controls required/discussions held with personnel or neighbours, specific items: | | | | | |
| Does the ancillary facility have minimal amenity impacts? | | | | | <input checked="" type="radio"/> YES <input type="radio"/> NO |
| Does the ancillary facility have minimal environmental impacts? | | | | | <input checked="" type="radio"/> YES <input type="radio"/> NO |
| Have impacts which can be managed through an ECM, consistent with measures in the CEMP? | | | | | <input checked="" type="radio"/> YES <input type="radio"/> NO |

Permit signatories and Approval:

| Name | Position | Signature | Date |
|-----------------------|------------------------------|--------------------|---------------|
| <i>Chris Sedgwick</i> | Construction Manager | <i>[Signature]</i> | <i>9/9/13</i> |
| <i>J. Tydd</i> | Community Manager | <i>[Signature]</i> | <i>9/9/13</i> |
| <i>G. Samboraj</i> | Environment Manager | <i>[Signature]</i> | <i>9/9/13</i> |
| | Environmental Representative | | |

(Submit to Environmental Manager when completed)

Project: ETTT Alliance Date: 07/09/13

Project Area: Area 1 Date work to commence: Sept 13 Date work to cease: Sept 14

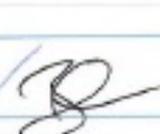
Location of Additional Ancillary Facility: Add map if possible
Refer to Attached Map - Adjacent to Gate E7

Circle specific activities to be undertaken at the ancillary facility – list others here:

| | | | |
|------------------------------|--------------------------|----------------------------|---------------------|
| <u>Spoil stockpile</u> | Parking | <u>Temporary amenities</u> | <u>Crib/ toilet</u> |
| <u>Chemical/fuel storage</u> | <u>Materials laydown</u> | <u>Deliveries/access</u> | Stores shed |

| Complete the following checklist: | Yes/No | If No, – identify additional environmental controls required (e.g.: near waterway – erosion and sediment controls, near residences – restrict hrs of operation or consult with resident, vegetation protection, heritage walkover, etc – refer to CEMP, sub plans and compound management plan for additional controls) |
|--|--------|--|
| Does the ancillary facility: - | | |
| a) Is it in an active construction zone within the rail corridor? | Y | |
| b) Are there any noise and vibration impacts which may have a major amenity impact on the nearest residence? The nearest resident is <u>approx 50</u> m away from the closest point. | N | |
| c) Are there any traffic and access impacts which may have a major amenity impact on the nearest residence? The proposed access route is via <u>Sutherland Rd</u> Site access will be via Gate <u>E7</u> | N | |
| d) Are there any dust and odour impacts which may have a major amenity impact on the nearest residence? | N | <u>Standard dust control measures to be implemented</u> |
| e) Are there any visual and light spill impacts which may have a major amenity impact on the nearest residence? See measure A23 in the CCAFMP for possible mitigation measures. | N | |
| f) Are there any waste management impacts which may have a major environmental impact? | N | |
| g) Will the site require clearing? If Yes what species <u>Groundcover / Grasses</u> | Y | <u>Groundcover / Grasses</u> |
| h) Could the clearing impact listed flora and fauna species beyond that approved for the project and outside the rail corridor construction zone. If yes, Ecologist Walk through on _____ | N | If yes, see Environmental Manager to determine what further action is required. |
| i) Could the clearing impact heritage beyond that approved for the project and outside the rail corridor construction zone If yes, Heritage Walk through on _____ | N | If yes, see Environmental Manager to determine what further action is required. |
| j) Are there any soil and water impacts which may have a major | N | |



| | | |
|--|--|-------------------------------------|
| environmental impact? | | |
| k) Will a Progressive Erosion and Sediment Control Plan be required? | Y | |
| Note, Environmental Controls in the CEMP and sub plans and that described in Attachment A of the CCAFMP should be followed where appropriate for all additional ancillary facilities. | | |
| General notes/comments: | | |
| | | |
| Prepared by (Name, Signature and Date) | Bradley Cole  | |
| Reviewed by Construction Manager: (Name, Signature and Date) |  | |
| Ancillary facility construction and use is not allowed until ancillary facility approval permit issued | | |
| This section only to be filled out by EM (all answers must be YES for EIR approval) | | |
| Is additional assessment required (i.e. Noise, Ecology, Heritage)? | YES | <input checked="" type="radio"/> NO |
| If Yes, What? _____ | | |
| Does the ancillary facility have minimal amenity impacts? | <input checked="" type="radio"/> YES | NO |
| Does the ancillary facility have minimal environmental impacts? | <input checked="" type="radio"/> YES | NO |
| Have impacts which can be managed through an ECM, consistent with measures in the CEMP? | <input checked="" type="radio"/> YES | NO |
| Environmental Manager Name: | B. Sansing | |
| Signature and Date: |  9/9/13 | |

| Additional Ancillary Facilities Approval Permit | | | | | |
|--|---|-------------------------------------|---|--------------------------------------|---|
| Project: <i>ETTT Alliance</i> | | | Date Inspected: <i>21/08/13</i> | | |
| Project Area: <i>Area 1 - Proposed stockpile area adjacent to Gate E7</i> | | | | | |
| Date work is to start: <i>Sept '13</i> | | | Construction Stage/Activity: <i>Early Work/Access</i> | | |
| Date work is to cease: <i>Sept '14</i> | | | Compliance | | |
| # | Control Measure | Yes | No | N/A | Comments |
| 1. | Has the Additional Ancillary Facilities Application been completed? | <input checked="" type="checkbox"/> | | | |
| 2. | Where required, have additional environmental controls been determined? | <input checked="" type="checkbox"/> | | | |
| 3. | Have the required resources for any additional environmental controls been determined? | <input checked="" type="checkbox"/> | | | |
| 4. | Have any additional personnel such as the project ecologist/archaeological consultant been notified to attend the site and assess the site if required? (attach as appropriate) | | | <input checked="" type="checkbox"/> | <i>No clear up required. Currently stockpile area for Railcorp.</i> |
| 5. | Have the signatories to this permit walked the area concerned? | <input checked="" type="checkbox"/> | | | |
| 6. | Have all personnel involved been instructed / tool based on any additional environmental controls? | <input checked="" type="checkbox"/> | | | <i>Toolbox prior to commencement of Stockpile Activities</i> |
| 7. | Is neighbor notification required? | <input checked="" type="checkbox"/> | | | <i>See Community Manager</i> |
| 8. | Has a PESCP been developed for the site? | <input checked="" type="checkbox"/> | | | <i>mail - from Aug 13 provided</i> |
| 9. | Has an ECM been developed for the site? (attach as appropriate) | <input checked="" type="checkbox"/> | | | |
| Add further controls required/discussions held with personnel or neighbours, specific items: | | | | | |
| Does the ancillary facility have minimal amenity impacts? | | | | <input checked="" type="radio"/> YES | NO |
| Does the ancillary facility have minimal environmental impacts? | | | | <input checked="" type="radio"/> YES | NO |
| Have impacts which can be managed through an ECM, consistent with measures in the CEMP? | | | | <input checked="" type="radio"/> YES | NO |

Permit signatories and Approval:

| Name | Position | Signature | Date |
|--------------------|------------------------------|--------------------|---------------|
| <i>C. Ross</i> | Construction Manager | <i>[Signature]</i> | <i>8/9/13</i> |
| <i>G. Jones</i> | Community Manager | <i>[Signature]</i> | <i>9/9/13</i> |
| <i>B. Samsberg</i> | Environment Manager | <i>[Signature]</i> | <i>9/9/13</i> |
| | Environmental Representative | | |



Additional Ancillary Facilities Application
 To be completed for each additional ancillary facility not listed in the CCAFMP
 (Submit to Environmental Manager when completed)

Project: ETT Alliance Date: 09/09/13
 Project Area: Area 1 Date work to commence: Sept '13 Date work to cease: Sept '14

Location of Additional Ancillary Facility: Add map if possible
Refer to Attached Map.

Circle specific activities to be undertaken at the ancillary facility – list others here:

| | | | |
|------------------------|--------------------------|----------------------------|-------------|
| <u>Spill/stockpile</u> | Parking | <u>Temporary amenities</u> | Crib/toilet |
| Chemical/fuel storage | <u>Materials laydown</u> | Deliveries/access | Stores shed |

| Complete the following checklist: | Yes/No | If No, – identify additional environmental controls required (e.g. – near waterway – erosion and sediment controls, near residence – restrict hrs of operation or consult with resident, vegetation protection, heritage walkover, etc – refer to CEMP, sub plans and compound management plan for additional controls) |
|--|--------|--|
| Is/Does the ancillary facility: - | | |
| a) Is it in an active construction zone within the rail corridor? | Y | |
| b) Are there any noise and vibration impacts which may have a major amenity impact on the nearest residence? The nearest resident is <u>approx. 50</u> m away from the closest point. | N | |
| c) Are there any traffic and access impacts which may have a major amenity impact on the nearest residence? The proposed access route is via <u>Sutherland Rd</u> Site access will be via Gate <u>E7</u> | N | |
| d) Are there any dust and odour impacts which may have a major amenity impact on the nearest residence? | N | <u>Standard dust control measures will be implemented.</u> |
| e) Are there any visual and light spill impacts which may have a major amenity impact on the nearest residence? See measure A23 in the CCAFMP for possible mitigation measures. | N | |
| f) Are there any waste management impacts which may have a major environmental impact? | N | |
| g) Will the site require clearing? If Yes what species <u>Grass / Grasses</u> | Y | <u>Grasscover / grasses</u> |
| h) Could the clearing impact listed flora and fauna species beyond that approved for the project and outside the rail corridor construction zone. If yes, Ecologist Walk through on _____ | N | If yes, see Environmental Manager to determine what further action is required. |
| i) Could the clearing impact heritage beyond that approved for the project and outside the rail corridor construction zone If yes, Heritage Walk through on _____ | N | If yes, see Environmental Manager to determine what further action is required. |
| j) Are there any soil and water impacts which may have a major | N | |

| | | |
|--|---|--|
| environmental impact? | | |
| k) Will a Progressive Erosion and Sediment Control Plan be required? | Y | |

Note, Environmental Controls in the CEMP and sub-plans and that described in Attachment A of the CCAFMP should be followed where appropriate for all additional ancillary facilities.

General notes/comments:

Area required for spoil & material laydown area during construction.

| | | |
|---|---|-------------------------------------|
| Prepared by (Name, Signature and Date) | Bradley Cole  | |
| Reviewed by Construction Manager: (Name, Signature and Date) |  | |
| Ancillary facility construction and use is not allowed until ancillary facility approval permit issued | | |
| This section only to be filled out by EM (Answers must be a YES for EM approval) | | |
| Is additional assessment required (i.e. Noise, Ecology, Heritage)? | YES | <input checked="" type="radio"/> NO |
| If Yes, What? _____ | | |
| Does the ancillary facility have minimal amenity impacts? | <input checked="" type="radio"/> YES | NO |
| Does the ancillary facility have minimal environmental impacts? | <input checked="" type="radio"/> YES | NO |
| Have impacts which can be managed through an ECM, consistent with measures in the CEMP? | <input checked="" type="radio"/> YES | NO |
| Environmental Manager Name: | Grant Samsony | |
| Signature and Date: |  9/9/13 | |



Additional Ancillary Facilities Approval Permit

Project: ETT Alliance Date Inspected: 21/08/13

Project Area: Area 1 - Proposed stockpile near M2

Date work is to start: Sept '13 Construction Stage/Activity: Early Works / Possession

Date work is to cease: Sept '14 Compliance

| # | Control Measure | Yes | No | N/A | Comments |
|----|---|-----|----|-----|---|
| 1. | Has the Additional Ancillary Facilities Application been completed? | ✓ | | | |
| 2. | Where required, have additional environmental controls been determined? | ✓ | | | refer to PESCP |
| 3. | Have the required resources for any additional environmental controls been determined? | ✓ | | | |
| 4. | Have any additional personnel such as the project ecologist/archaeological consultant been notified to attend the site and assess the site if required? (attach as appropriate) | | | ✓ | No clearing of MBT. Ecologist has previously notified site. |
| 5. | Have the signatories to this permit walked the area concerned? | ✓ | | | |
| 6. | Have all personnel involved been instructed / toolboxed on any additional environmental controls? | ✓ | | | toolbox prior to commencement of stockpile activities |
| 7. | Is neighbor notification required? | ✓ | | | See Community Manager notification provided for info |
| 8. | Has a PESCP been developed for the site? | ✓ | | | |
| 9. | Has an ECM been developed for the site? (attach as appropriate) | ✓ | | | refer to Attachment |

Add further controls required/discussions held with personnel or neighbours, specific items:

| | | |
|---|-----|----|
| Does the ancillary facility have minimal amenity impacts? | YES | NO |
| Does the ancillary facility have minimal environmental impacts? | YES | NO |
| Have impacts which can be managed through an ECM, consistent with measures in the CEMP? | YES | NO |

Permit signatories and Approval:

| Name | Position | Signature | Date |
|-----------------------|------------------------------|--------------------|---------------|
| <u>Chris Reynolds</u> | Construction Manager | <i>[Signature]</i> | <u>9/9/13</u> |
| <u>Jamie Tydd</u> | Community Manager | <i>[Signature]</i> | <u>9/9/13</u> |
| <u>Grant Smith</u> | Environment Manager | <i>[Signature]</i> | <u>9/9/13</u> |
| | Environmental Representative | | |

Additional Ancillary Facilities Application

To be completed for each additional ancillary facility not listed in the CCAFMP
(Submit to Environmental Manager when completed)

| | | | |
|--|---------------------------------------|------------------------------------|---|
| Project: <u>ETT Alliance</u> | | Date: <u>09/09/13</u> | |
| Project Area: <u>Area 2</u> | Date work to commence: <u>Sept 13</u> | Date work to cease: <u>Sept 14</u> | |
| Location of Additional Ancillary Facility: Add map if possible <u>Refer to Attached Map</u> | | | |
| Circle specific activities to be undertaken at the ancillary facility - list others here: | | | |
| <u>Spill stockpile</u> | Parking | Temporary amenities | <u>Crib toilet</u> |
| Chemical/fuel storage | <u>Materials laydown</u> | Deliveries/access | Stores shed |
| Complete the following checklist: | | Yes/No | If No, - identify additional environmental controls required (e.g.: near waterway - erosion and sediment controls, near residence - restrict hrs of operation or consult with resident, vegetation protection, heritage walkover, etc - refer to CEMP, sub plans and compound management plan for additional controls) |
| 1a) Does the ancillary facility: - | | | |
| a) Is it in an active construction zone within the rail corridor? | | Y | |
| b) Are there any noise and vibration impacts which may have a major amenity impact on the nearest residence? The nearest resident is <u>approx 50</u> m away from the closest point. | | N | |
| c) Are there any traffic and access impacts which may have a major amenity impact on the nearest residence? The proposed access route is via <u>The Catocent</u> Site access will be via Gate <u>ETT</u> | | N | |
| d) Are there any dust and odour impacts which may have a major amenity impact on the nearest residence? | | N | |
| e) Are there any visual and light spill impacts which may have a major amenity impact on the nearest residence? See measure A23 in the CCAFMP for possible mitigation measures. | | N | |
| f) Are there any waste management impacts which may have a major environmental impact? | | N | |
| g) Will the site require clearing? If Yes what species <u>Ground cover / grasses</u> | | Y | <u>Groundcover / Grasses</u> |
| h) Could the clearing impact listed flora and fauna species beyond that approved for the project and outside the rail corridor construction zone. If yes, Ecologist Walk through on _____ | | N | If yes, see Environmental Manager to determine what further action is required. |
| i) Could the clearing impact heritage beyond that approved for the project and outside the rail corridor construction zone If yes, Heritage Walk through on _____ | | N | If yes, see Environmental Manager to determine what further action is required. |
| j) Are there any soil and water impacts which may have a major | | N | |



| | | |
|--|---|--|
| environmental impact? | | |
| k) Will a Progressive Erosion and Sediment Control Plan be required? | Y | |

Note, Environmental Controls in the CEMP and sub plans and that described in Attachment A of the CCAFMP should be followed where appropriate for all additional ancillary facilities.

General notes/comments:

Prepared by
(Name, Signature and Date)

Bradley Cole *[Signature]*

Reviewed by Construction Manager:
(Name, Signature and Date)

[Signature]

Ancillary facility construction and use is not allowed until ancillary facility approval permit issued

This section only to be filled out by EM (all answers must be a YES for EIR approval)

Is additional assessment required (i.e. Noise, Ecology, Heritage)?

YES

NO

If Yes, What? _____

Does the ancillary facility have minimal amenity impacts?

YES

NO

Does the ancillary facility have minimal environmental impacts?

YES

NO

Have impacts which can be managed through an ECM, consistent with measures in the CEMP?

YES

NO

Environmental Manager Name:

B. Sandy

Signature and Date:

B Sandy 9/9/13



Additional Ancillary Facilities Approval Permit

| | |
|--|---|
| Project: ETT Alliance | Date Inspected: 21/08/13 |
| Project Area: Area 2 - Proposed stockpile near Beecroft sub | |
| Date work is to start: Sept '13 | Construction Stage/Activity: Early Work / Access |
| Date work is to cease: Sept '14 | Compliance |

| # | Control Measure | Yes | No | N/A | Comments |
|----|---|-----|----|-----|--|
| 1. | Has the Additional Ancillary Facilities Application been completed? | ✓ | | | |
| 2. | Where required, have additional environmental controls been determined? | ✓ | | | |
| 3. | Have the required resources for any additional environmental controls been determined? | ✓ | | | |
| 4. | Have any additional personnel such as the project ecologist/archaeological consultant been notified to attend the site and assess the site if required? (attach as appropriate) | | | ✓ | Ecologist has walked area previously |
| 5. | Have the signatories to this permit walked the area concerned? | ✓ | | | |
| 6. | Have all personnel involved been instructed / toolboxed on any additional environmental controls? | | | | Toolbox prior to commencing work at stockpile activities |
| 7. | Is neighbor notification required? | ✓ | | | See Community Manager notification provided from 19/08 Aug '13 |
| 8. | Has a PESCP been developed for the site? | ✓ | | | |
| 9. | Has an ECM been developed for the site? (attach as appropriate) | ✓ | | | |

Add further controls required/discussions held with personnel or neighbours, specific items:

Does the ancillary facility have minimal amenity impacts? YES NO

Does the ancillary facility have minimal environmental impacts? YES NO

Have impacts which can be managed through an ECM, consistent with measures in the CEMP? YES NO

Permit signatories and Approval:

| Name | Position | Signature | Date |
|--------------------|------------------------------|--------------------|--------|
| <i>Alan Kelly</i> | Construction Manager | <i>[Signature]</i> | 9/9/13 |
| <i>J. Tydd</i> | Community Manager | <i>[Signature]</i> | 9/9/13 |
| <i>G. Samalson</i> | Environment Manager | <i>[Signature]</i> | 9/9/13 |
| | Environmental Representative | | |

Additional Ancillary Facilities Application

To be completed for each additional ancillary facility not listed in the CCAFMP
(Submit to Environmental Manager when completed)

| | | | |
|--|--|--------------------------------------|-----------------------------------|
| Site Location: <u>GATE 3 / CUT 3 / GATE 23</u> | | Date: <u>4/7/14</u> | |
| Area (1 or 2): <u>AREA 1 + AREA 2</u> | | Date work to commence: <u>4/9/14</u> | Date work to cease: <u>1/6/16</u> |

Circle specific activities to be undertaken at the ancillary facility – list others here:

| | | | |
|------------------|---------|----------------------|-----------------|
| <u>Stockpile</u> | Parking | Temporary facilities | laydown/storage |
|------------------|---------|----------------------|-----------------|

Complete the following checklist:

| Does the ancillary facility: | Yes/No | If No, – identify additional environmental controls required (e.g. near waterway – erosion and sediment controls, near residence – restrict hrs of operation or consult with resident, vegetation protection, heritage walkover, etc – refer to CEMP, sub plans and compound management plan for additional controls) |
|---|--------|--|
| a) Is it in an active construction zone within the rail corridor? | Yes | |
| b) Are minimal noise and vibration impacts anticipated at the nearest residence? The nearest resident is <u>60</u> m away from the closest point. | Yes | (Cut 3 Stockpile Side) |
| c) Are traffic and access impacts anticipated on the nearest residence? The proposed access route is via <u>SECURITY ROAD</u> . Site access will be via Gate <u>E3 / E5A / E33</u> . | No | |
| d) Are minimal dust and odour impacts anticipated at the nearest residence? | Yes | General ERBED Control for stockpile |
| e) Are minimal visual and light spill impacts anticipated at the nearest residence? See measure A23 in the CCAFMP for possible mitigation measures. | Yes | |
| f) Are there minimal waste management impacts anticipated arising from the operation of the facility? | Yes | |
| g) Will the site require clearing of listed flora and fauna communities? | No | |
| h) Could the clearing impact listed flora and fauna species beyond that approved for the project and outside the rail corridor construction zone. If yes, Department of Planning Approval may be required. | No | If yes, see Environmental Manager to determine what further action is required. |
| i) Will the facility impact heritage beyond that approved for the project and outside the rail corridor construction zone. If yes, Department of Planning Approval may be required. | No | If yes, see Environmental Manager to determine what further action is required. |
| j) Are minimal soil and water impacts anticipated? | Yes | |
| k) Will a Progressive Erosion and Sediment Control Plan be required? | Yes | → General ERBED Plan for Stockpile Control |

Note, Environmental Controls in the CEMP and sub plans and that described in Attachment A of the CCAFMP should be followed where appropriate for all additional ancillary facilities.

General notes/comments: BONMART P47 ERBED Control Protocol will be applied on the large stockpile as the appropriate control.

| | | | | |
|--|--|------------------------------------|--|------------|
| Has a map been attached to this application (application not accepted without a map) | | | | <u>YES</u> |
| Prepared by (Name, Signature and Date) | | <u>BILLY LAG</u> <u>4/7/14</u> | | |
| Reviewed by Construction Manager (Name, Signature and Date) | | <u>CHRIS BARTLEY</u> <u>4/7/14</u> | | |
| Ancillary facility construction and use is not allowed until ancillary facility approval permit issued | | | | |
| This section only to be filled out by EM | | | | |
| Is additional assessment required (i.e. Noise, Ecology, Heritage)? | | | | <u>NO</u> |
| If Yes, What? _____ | | | | |
| Does the ancillary facility have minimal amenity impacts? | | | | <u>YES</u> |
| Does the ancillary facility have minimal environmental impacts? | | | | <u>YES</u> |
| Have impacts which can be managed through an ECM, consistent with measures in the CEMP? | | | | <u>YES</u> |

| Name | Position | Signature | Date |
|-------------------|----------------------|--------------------|---------------|
| <u>C BARTLEY</u> | Construction Manager | <u>[Signature]</u> | <u>8/7/14</u> |
| <u>S. Mohie</u> | Community Manager | <u>[Signature]</u> | <u>8/7/14</u> |
| <u>G Sansbury</u> | Environment Manager | <u>[Signature]</u> | <u>8/7/14</u> |

| Environmental Representative Approval | Signature | Date |
|---------------------------------------|--------------------|---------------|
| <u>Andrew Smith</u> | <u>[Signature]</u> | <u>9/7/14</u> |

Notes/comments:



