

Environmental Assessment Form – Level 2

Little Jilliby Bridge Replacement - October 2022

This form is an Environmental Impact Assessment under Part 5 of the EP&A Act 1979 and S228 of the EP&A Reg (2000). This form is to be completed by an Assessing Officer in accordance Council's Environmental Assessment Guideline.

Section A: Work Activity

The below table is a quick reference summary of the **Infrastructure SEPP** only. Check the SEPP using the links provided to confirm your work activity meets the criteria to be permissible without consent.

Roads and Traffic

[Clause 94 SEPP Infrastructure](#)

Development for the purpose of a road infrastructure facility	<input checked="" type="checkbox"/>
Bus depots	<input type="checkbox"/>
Permanent road maintenance depots and associated infrastructure (such as garages, sheds, tool houses, storage yards, training facilities and workers' amenities)	<input type="checkbox"/>
Construction works in connection with a road or road infrastructure facility	<input checked="" type="checkbox"/>
Temporary buildings or facilities for the management of construction, if they are in or adjacent to a road corridor	<input type="checkbox"/>
Creation of embankments	<input checked="" type="checkbox"/>
Extraction of extractive materials and stockpiling of those materials if ancillary to road construction or the materials are used solely for road construction and the extraction and stockpiling take place on or adjacent to a road corridor	<input type="checkbox"/>
Temporary crushing or concrete batching plants if they are used solely for road construction and or on or adjacent to a road corridor	<input type="checkbox"/>
Temporary roads that are used solely during road construction	<input type="checkbox"/>
Emergency works	<input type="checkbox"/>
Routine maintenance works	<input type="checkbox"/>
Alterations or additions to an existing road (such as widening, duplication or reconstruction of lanes, changing the alignment or strengthening of the road)	<input type="checkbox"/>
Environmental management works in or adjacent to a road corridor	<input type="checkbox"/>

Section B: Nature and Scope

Project Title

Little Jilliby Bridge Replacement

Location Address

Little Jilliby Road, Little Jilliby

Location Map



Site Zoning	RU1 Primary Production	C3 Environmental Management
Description of the Work Activity	The existing, deteriorated Little Jilliby Bridge is being replaced with a new two lane bridge to the east. As part of the construction of the new bridge, the approaches are also to be upgraded and re-aligned.	
Description of the Existing Environment	The project site is situated in the suburb of Little Jilliby, and consists of rural properties. The existing and proposed new bridge cross over Little Jilliby Creek which is moderately vegetated within its banks.	
Reasons for undertaking the work activity	Due to its deteriorating condition, a replacement bridge is proposed to be constructed adjacent to the existing bridge.	

Section C: Environmental Impacts and Control Measures**Air**

Dust	
1. Details of impacts	3. Control measures
Minor impact on air quality may occur during road construction works.	Significant dust generating works would not be undertaken during large wind events. Water spray would be used on exposed surfaces to suppress dust generation, if considered necessary by the construction crew leader or contractor.
2. Impacts without controls	4. Impacts with controls
Minor: Dust generated. Limited to duration of works.	Insignificant: No or minimal dust generated.

Odours	
1. Details of impacts	3. Control measures
Gases and fumes from vehicles and plant equipment.	Filters, carbon and mechanical ventilation. Vehicles will be maintained to industry standard
2. Impacts without controls	4. Impacts with controls
Minor: Odours generated. Limited to duration of works.	Insignificant: No or minimal odours generated.

Water

Stormwater	
1. Details of impacts	3. Control measures
There is potential to impact on water quality due to sedimentation of stormwater drains during works.	Erosion and sediment control measures would be implemented in accordance with the Erosion and Sediment Control plan included in the design plans, together with the following documents: 1. Council's Policy - Erosion and Sediment Control from Building and Construction Sites. 2. CCC Civil Works Specification.
2. Impacts without controls	4. Impacts with controls
Potentially Significant: Stormwater pollution is likely to occur.	Minor: Stormwater will potentially contain sediment or pollutants.

Groundwater – Not Applicable	Comment
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Water Bodies	
1. Details of impacts	3. Control measures
There is potential to impact on water quality due to sedimentation of water bodies during works.	Erosion and sediment control measures would be implemented in accordance with the Erosion and Sediment Control plan, included in the design plans, together with the following documents: 1. Council's Policy - Erosion and Sediment Control from Building and Construction Sites. 2. CCC Civil Works Specification.
2. Impacts without controls	4. Impacts with controls
Potentially Significant: Works will potentially cause substantial change to a water body.	Minor: Works will be carried out within a water body and may cause minimal or temporary change to the water body.

Soil

Soil Erosion and Disturbance	
1. Details of impacts	3. Control measures
Transport of sediment by water, clearing of vegetation, grading, excavation, removal of groundcover and destabilising surfaces by vehicles or plant.	Erosion and sediment control measures would be implemented in accordance with the Erosion and Sediment Control Plan, included in the design plans, together with the following documents: 1. Council's Policy – Erosion and Sediment Control from Building and Construction Sites. 2. Soils and Construction, Volume 1, 4th Edition, March 2004 – "Blue Book" by Landcom 3. Wyong Shire Council's Erosion and Sediment Control Field Guide, Issue 1, May 2013 4. CCC Civil Works Specification.
2. Impacts without controls	4. Impacts with controls
Potentially Significant: The works will potentially cause soil erosion or land degradation.	Minor: Soils will be disturbed during works.

Acid Sulfate Soils	
1. Details of impacts	3. Control measures
Council's GIS (Geocortex October 2022) indicates no known occurrence of acid sulphate soils in the area. Construction activities are not likely to disturb ASS at this location.	Nil
2. Impacts without controls	4. Impacts with controls
Other: Type in space below.	Other: Type in space below.

ASS are not expected at the site.

Land Contamination	
1. Details of impacts	3. Control measures
The overall potential for contamination at the site is considered to be generally low based on the historical land uses.	Nil
2. Impacts without controls	4. Impacts with controls
Other: Type in space below.	Other: Type in space below.

No contamination is expected at the site.

Biodiversity

Native Animals (Fauna)	
1. Details of impacts	3. Control measures
Habitat disturbance.	<p>An Ecological Assessment was carried out by Evolve Ecology in August 2022 (attached). Mitigation measures to reduce disturbance to native fauna outlined within the report are as follows:</p> <ul style="list-style-type: none"> - Potential roosting for the recorded Little Bent-winged Bat has been demonstrated within a timber girder truss within the existing bridge framework. A Brown Antechinus was also observed within a bridge cavity during inspections. To prevent impacts on individuals during bridge demolition, a fauna ecologist with appropriate bat lyssavirus injections and bat handling experience is to be on-hand during the removal of the girder trusses that contain hollows. - The loss of potential roosting habitat in the underside of the existing bridge structure should ideally be supplemented with a bat roosting structure placed into the underside of the new bridge structure where possible.
2. Impacts without controls	4. Impacts with controls
Insignificant: Fauna may be present on site but not disturbed.	Insignificant: Fauna may be present on site but not disturbed.

Native Vegetation (Flora)	
1. Details of impacts <p>Ten trees will require removal as part of the proposed works.</p> <p>One hollow-bearing tree containing one small (0-10cm) sized hollow will require removal.</p>	3. Control measures <p>An Ecological Assessment was carried out by Evolve Ecology in August 2022 (attached). Mitigation measures to protect native vegetation outlined within the report are as follows:</p> <ul style="list-style-type: none"> - All native trees and vegetation to be retained would be clearly identified on construction plans and in the study area to prevent damage occurring during construction. - Standard tree protection measures are to be implemented during construction. - Rehabilitate disturbed areas as soon as possible upon completion of construction. - Revegetate the area under the existing bridge once it has been removed. Species are to be characteristic of PCT1528. <p>Tree replacement and revegetation will include maintenance of plantings for 12 months</p> <ul style="list-style-type: none"> - An ecologist should be present to supervise the removal of the hollow and recover / relocate any resident fauna. The replacement of the hollow with one bat box and one small parrot box (or equivalent to these as augered hollows into existing trees or other refurbished hollows from another site) placed in adjacent retained trees, is recommended to supplement the loss of the natural hollow.
2. Impacts without controls <p>Minor: Native vegetation will be pruned or cleared.</p>	4. Impacts with controls <p>Minor: Native vegetation will be pruned or cleared.</p>

Aquatic Ecology – Not Applicable	Comment
Threatened Species – Not Applicable	Comment

Weeds & Pests

1. Details of impacts	3. Control measures
removal of native vegetation, spreading of weeds, creating conditions favourable to feral animals, spread of myrtle rust.	- Vehicles to be free of weeds prior to entering the works area. - Weeds removed to be disposed of at a suitable waste facility.
2. Impacts without controls	4. Impacts with controls
Minor: Weeds or pests will be disturbed.	Positive: Eradication or reduction of noxious weeds or pests.

Conservation Areas & Corridors – Not Applicable	Comment
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Heritage

Aboriginal Heritage

1. Details of impacts	3. Control measures
AHIMS Search indicates no Aboriginal sites are recorded, and no Aboriginal places have been declared at the proposed site. AHIMS Search Date: 17 Oct 2022 AHIMS Search ID: 723106	The local Aboriginal Land Council would be notified if any heritage items are discovered during the proposed works. Ensure all works are confined to existing road and drainage reserves or easements and the nominated stockpile site.
2. Impacts without controls	4. Impacts with controls
Insignificant: No Item or Place of Aboriginal heritage significance is known within the locality.	Positive: Items or Places of Aboriginal heritage will be protected or restored.

Local & State Heritage – Not Applicable	Comment
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Miscellaneous

Waste & Stockpiles	
1. Details of impacts	3. Control measures
Waste would include liquid, solid, construction & demolition, green, recyclables and hazardous waste.	All generated waste would be contained and removed from the construction site for safe disposal or recycling. Soil testing would be undertaken nearer to the construction date to classify the excavated spoil that may be generated during construction, for disposal to a suitable off-site location. Construction and waste materials would be temporarily stockpiled at the location shown on the attached stockpile site plans.
2. Impacts without controls	4. Impacts with controls
Minor: Large volumes or special types of waste & stockpiles.	Insignificant: Incidental waste & stockpiles.

Community Disturbance & Visual	
1. Details of impacts	3. Control measures
There would be a minor risk to public access and safety resulting from the construction phase of this proposal. To maintain public access, the existing bridge would remain active while the new bridge is being installed.	Standard operating procedures would be followed to minimise any risk to public safety. Worksite traffic control and fencing of construction areas in accordance with SafeWork NSW requirements would ensure that road user safety is maintained at all times. WHS procedures would be strictly adhered to throughout the construction phase of the proposal to ensure a safe environment is maintained for construction personnel and members of the public. Normal construction work would be carried out between the hours of 7:00am to 5:30pm Mondays to Fridays and 7:00am to 4:00pm Saturdays (excluding public holidays). Any night work conducted outside of these times would be communicated to the residents prior to commencing work.
2. Impacts without controls	4. Impacts with controls
Insignificant: The community is likely to be disturbed during works or for short term periods.	Positive: The community will benefit, be enhanced or supported.

Economic – Not Applicable	Comment
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Environmental Hazards	
1. Details of impacts	3. Control measures
The potential for bushfire or flooding would not be increased by the proposal.	Nil
2. Impacts without controls	4. Impacts with controls
Environmental hazards without control measures	Environmental hazards with control measures

Noise & Vibration	
1. Details of impacts	3. Control measures
An increase in noise levels would be experienced during the construction phase. Traffic noise levels would not be significantly affected post-construction. This impact is not likely to be significant and would only be short term.	Noise from construction activities associated with the proposal shall comply with the NSW Environment Protection Authority's noise control guidelines and the Protection of the Environment Operations Act 1997. Normal construction work would be carried out between the hours of 7:00am to 5:30pm Mondays to Fridays and 7:00am to 4:00pm Saturdays (excluding public holidays). Any night work conducted outside of these times would be communicated to the residents prior to commencing work.
2. Impacts without controls	4. Impacts with controls
Minor: Noise and/or vibration will be generated during works and will impact nearby receivers.	Positive: Noise and/or vibration will be reduced or minimised.

Chemicals	
1. Details of impacts	3. Control measures
Hazardous chemical will be used onsite	Standard operating procedures would be maintained to minimise risk to work health and safety and to safeguard members of the public. Refuelling of plant would be done on site by fuel resupply vehicles. Spill kits are kept in all plant in case any fuel is spilt during refuelling operations. Construction vehicles would be refuelled at Council's depot or a service station.
2. Impacts without controls	4. Impacts with controls
Insignificant: HC&DG will be stored and handled during works.	Positive: Storage and handling of HC&DG will be reduced.

Climate Change – Not relevant to this project	Comment
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Cumulative or Additional Impacts	
1. Details of impacts	3. Control measures
Any cumulative environmental effect relating to this proposal would be positive for the local community. This proposal will upgrade the existing deteriorating timber bridge and the road approaches will be upgraded.	
2. Impacts without controls	4. Impacts with controls
Minor	Positive

Section D: Additional Information

Date of site inspection (and attendees)	7/02/2023	David Fogg Steven Murphy Rob Barwick Mark Maloy Troy Baxter Noel Stahl
Who is the relevant land owner/asset manager?	Within the road reserve – Casey De Pereira, Section Manager Asset Management	
Concurrences, approvals, licences and/or permits	Fisheries Permit - Part 7	
Consultation	Internal consultation was conducted with other sections of Council at concept stage. Community consultation was conducted by sending out individual letters and plans to relevant property owners outlining details of the project.	
Other relevant information	Attached Documents: <ul style="list-style-type: none"> • Detailed Design plan sheet • Erosion and Sediment Control plan • Stockpile site sketch • Ecological Assessment report • Wombat Management Plan • AHIMS search results • Site photographs 	
Replacement Planting	The area under the existing bridge and areas of redundant approach roads are to be revegetated with species characteristic to PCT1528	
Project Handover	This Level 2 Environmental Assessment would be handed to the Construction Planners to be included within the Project Construction Package. A Construction Handover meeting would be held just prior to commencement of construction, where environment issues are discussed.	

Section E: Authorisation

I have assessed the routine work activity in accordance with this Level 2 EA Form and the Environmental Assessment Guideline. The work activity meets the Level 2 EA criteria and has been assessed to have a minor environmental impact.

Register this EA in CCC's corporate record keeping system and use the Precipitous 'Environmental Assessment – Level 2 – Project Name – Date'. 4Task this EA for approval to an Authorising Officer via a workflow. Ensure that the control measures committed to in this EA are feasible and effectively communicated to those persons who will be undertaking the work activity.

Assessing Officer

David Fogg

Position

Lead Civil Designer

Section

Roads and Drainage Design

Date

9/2/23

I have reviewed the Environmental Assessment for the work activity and concur with the Environmental Assessment that the work activity is for minor works and will have a minor environmental impact. The activity is approved to proceed in accordance with the control measures committed to within this EA.

Authorising Officer

Michael Bamber

Position

Section Manager

Section

Roads and Drainage Design

Date

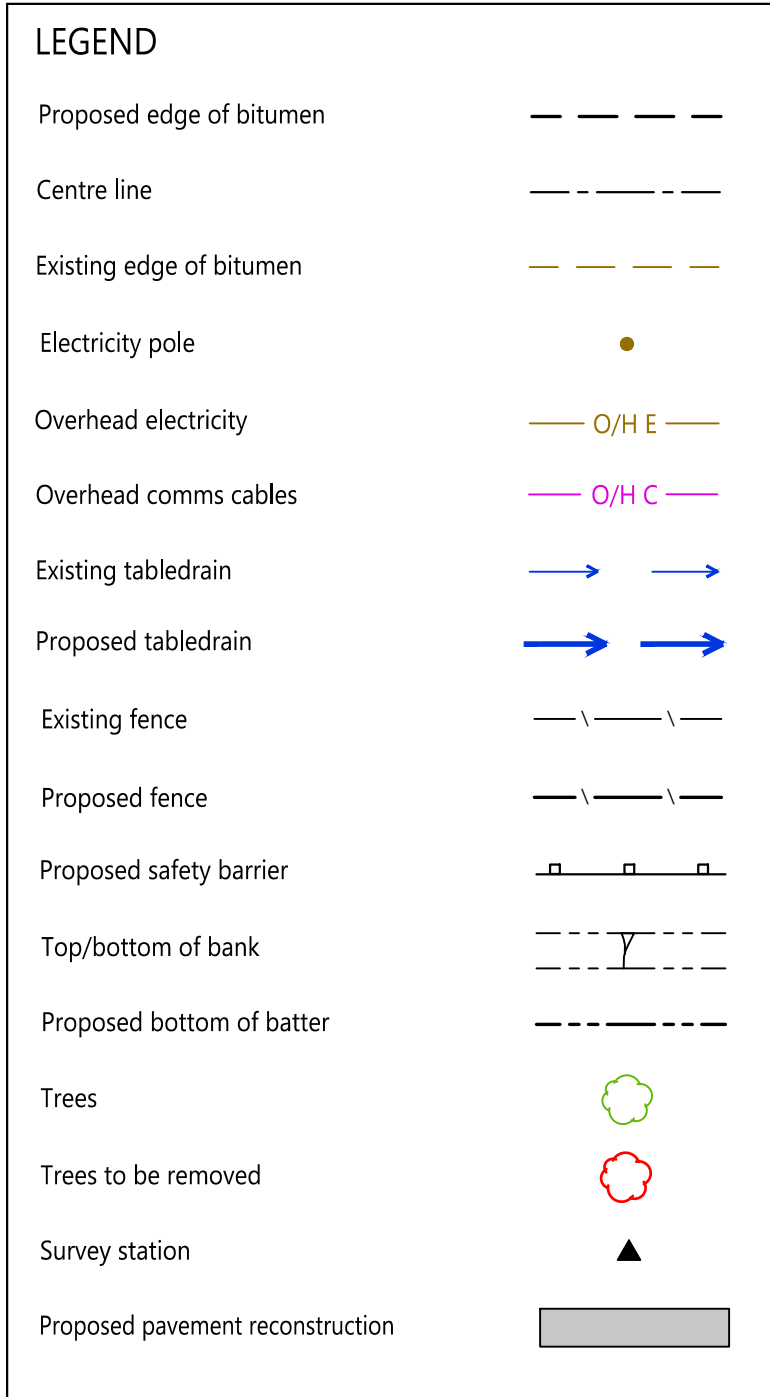
9/2/23

Authoriser's Checklist (Optional)

Joanne Mack | Environmental Management Coordinator | 2/02/2023

Appendix 1:

- Detailed Design plan sheet
- Erosion and Sediment Control plan
- Stockpile site sketch
- Ecological Assessment report
- Wombat Management Plan
- AHIMS search results
- Site photographs

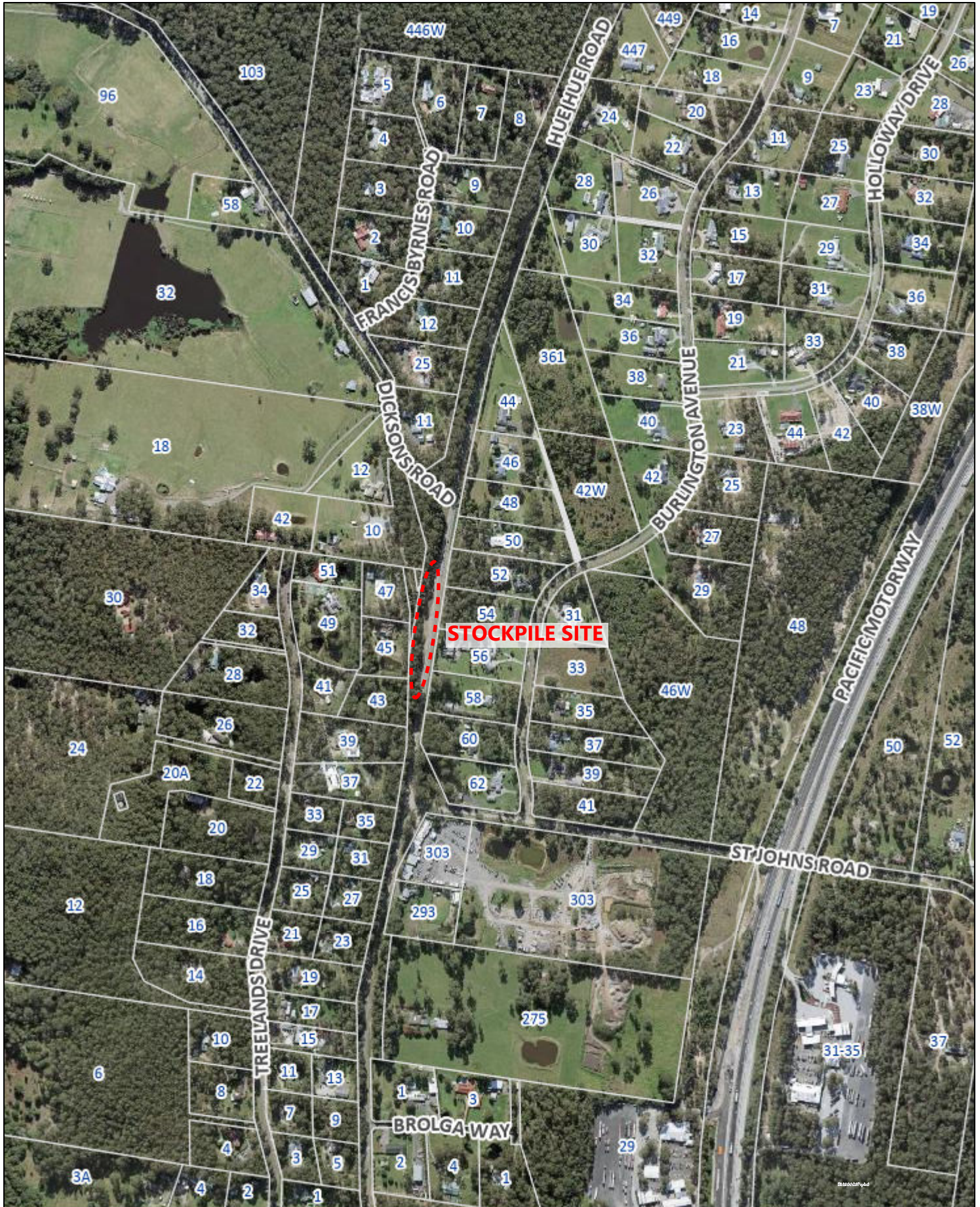


SCALE 1:250

1. ONLY TREES IDENTIFIED ON PLAN TO BE REMOVED HAVE BEEN APPROVED FOR REMOVAL.
2. TREE REMOVAL, PRUNING AND EXCAVATIONS IN VICINITY OF TREES IS TO BE SUPERVISED BY A QUALIFIED ARBORIST.
3. REFER TO THE PROJECT ENVIRONMENTAL ASSESSMENT AND/OR CEMP FOR GUIDANCE ON MITIGATION MEASURES TO PROTECT TREES BEING RETAINED.
4. DISTURBED AREAS TO BE RE-ESTABLISHED WITH NATIVE VEGETATION AND/OR HYDROMULCH.

1. MITIGATION MEASURES OUTLINED IN THE PROJECT ENVIRONMENTAL ASSESSMENT AND/OR CEMP ARE TO BE ADHERED TO PRIOR TO AND DURING CONSTRUCTION.
2. EROSION AND SEDIMENTATION CONTROLS TO BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH THE EROSION AND SEDIMENTATION CONTROL PLAN.
3. ALL TEMPORARY TRAFFIC CONTROL OPERATIONS SHALL COMPLY WITH THE CURRENT TNSW TRAFFIC CONTROL AT WORK SITES TECHNICAL MANUAL, AS 1742.3, AUSTRROADS GUIDE TO TEMPORARY TRAFFIC MANAGEMENT AND THE TNSW SUPPLEMENTS TO THIS STANDARD AND AUSTRROADS GUIDE.
4. OVERHEAD TELSTRA CABLES ARE TO BE RELOCATED BY THE ASP1 TO THE NEW POWER POLE AT CH 2200. CONTACT JAY WALLACE 0455 088 676 FROM TELSTRA TO ARRANGE RECTIFICATION OF THE DOWNED CABLES AT THE NORTHERN END OF THE PROJECT.

					<div>SCALE ON ORIGINAL A1 SIZE DRAWING</div> <div><div><div>02.557.51012.5</div><div>1:250</div></div></div> <div>DATUM: AHD</div>	<div>SURVEYED</div> <div>DESIGNED</div> <div>STATUS</div>	<div>CCC SURVEY SECTION</div> <div>D FOGG</div> <div>VERIFIED - SECTION MANAGER</div>	<div>SURVEY REF</div> <div>DRAWN</div> <div>DATE</div>	<div>S3796</div> <div>D MILLER</div> <div>09/02/2023</div>	<div><div>Central Coast Council</div></div>	<div>EDMS NUMBER</div> <div>F2019/01685</div> <div>PROJECT NUMBER</div> <div>26165</div> <div>PLAN NUMBER</div> <div>14003</div> <div>SHEET 2 OF 7</div>	<div>LITTLE JILLIBY ROAD - LITTLE JILLIBY PROPOSED BRIDGE REPLACEMENT PLAN SHEET</div>	<div>REVISION</div> <div>-</div> <div>A1</div>
REV	AMENDMENT	DATE	DRAWN	APRVD	ALL DIMENSIONS IN m UNLESS OTHERWISE SHOWN	ROADS AND DRAINAGE DESIGN	ROADS AND DRAINAGE INFRASTRUCTURE	INFRASTRUCTURE SERVICES					



Thu Feb 02 2023

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0 25 50 100 150 200
 Metres

Scale - 1:8,000

STOCKPILE SITE PLAN



Source: Central Coast Council
 Projection: GDA_1994_Transverse_Mercator; GCS_GDA_1994