

Minor Works Review of Environmental Factors

**-Cessnock City Council-
Beautification Works
New England Highway
Branxton**



PREPARED BY:



OCTOBER 2025

DOCUMENT CONTROL

Review of Minor Works REF

Report author and technical review: In considering the Proposed Activity this assessment has investigated and considered to the fullest extent possible, all matters impacting or likely to impact the environment. The Proposed Activity described in this Minor Works REF will have minimal environmental impacts which can be mitigated and/or managed appropriately using the environmental safeguards outlined in Chapter 4. Potential impacts are not significant and therefore an approval for the Proposed Activity does not need to be sought under Division 5.2 of the EP&A Act. The REF determination will remain current for five years until Oct 2030 at which time it shall lapse if works have not been physically commenced.	
Report author	Minor Works Review of Environmental Factors TED SMITH, PEAK LAND MANAGEMENT, Oct, 2025. 
Technical review	Marko Misikic, AL Civil Civil Engineer [Insert signature and date] 

Approval of Minor Works REF

Authorising Officer: In accordance with sections 5.5 and 5.7 of the EP&A Act, I determine that the Proposed Activity may proceed on the condition that: <ul style="list-style-type: none">• Any required consultation specified in Chapter 4 is completed;• The works are completed in using the environmental safeguards outlined in Chapter 3 & summary in Chapter 5;• Any required approvals, licenses and/or permits specified in Chapter 5.1 (if required) are obtained, and;• Any additional assessments (if required) are completed.	
Accepted on behalf of Cessnock City Council by:	Cessnock City Council General Manager Cessnock City Council [Insert signature and date]  Mr Peter Chrystal Interim General Manager 10 October 2025 [Note: Authorising Officer must be a Manager]

Version Control

Document version	Date	Prepared by	Reviewed by
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Land management consulting services:



PO Box 3083
 MEREWETHER NSW 2291
 Ph: 02 49 63 3323
 Mobile: 0410 633 837
 Email: ted@ peaklandmanagement.com
 Web site: peaklandmanagement.com

Cover Photo: View of part subject site.

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Contents

DOCUMENT CONTROL	2
1 INTRODUCTION	8
1.1 Purpose of the report	8
1.2 Proposed Activity overview	8
1.3 Needs and options considered	9
2 DESCRIPTION OF THE PROPOSED ACTIVITY	12
2.1 Description of works	12
2.2 Ancillary facilities	13
2.3 Timing and hours of work	14
3. LEGISLATIVE CONTEXT	18
3.1 State legislation	18
3.2 State Environmental Planning Policies	22
3.3 Cessnock Local Environmental Plan 2011	23
3.4 Commonwealth legislation	24
3.5 Confirmation of statutory position	25
4. AGENCY AND STAKEHOLDER CONSULTATION	30
4.1 SEPP (Transport and Infrastructure) consultation	30
4.2 Other consultation	30
5. EXISTING ENVIRONMENT AND IMPACT ASSESSMENT	32
5.1 Soil	32
5.2 Water	33
5.3 Biodiversity	34
5.4 Aboriginal heritage	36
5.5 Non-Aboriginal heritage	37
5.6 Noise and vibration	38
5.7 Socio-economic	39
5.8 Visual amenity	39
5.9 Traffic	40
5.10 Air quality	41
5.11 Waste	41
6 ENVIRONMENTAL SAFEGUARDS	46
7 LICENSING, APPROVALS AND PERMITS	50
8 CONSIDERATION OF STATE AND COMMONWEALTH ENVIRONMENTAL FACTORS	51
8.1 Environmental Planning and Assessment Regulation 2000 checklist	51
8.2 Matters of national environmental significance checklist	52
9 CONCLUSION	53
TERMS AND ACRONYMS USED IN THIS DOCUMENT	54
REFERENCES	56

APPENDIX A: PHOTOS OF SITE..... 59
APPENDIX B: ABORIGINAL DUE DILIGENCE SEARCH RESULTS (AHIMS)..... 65
APPENDIX C: FLORA & FAUNA SURVEY RESULTS..... 67
**APPENDIX D: THREATENED FLORA & FAUNA SPECIES SEARCH RESULT (WITHIN
10KM OF SITE – NSW BC ACT & NATIONAL EPBC ACT SPECIES – FROM NSW
BIONET WILDLIFE ATLAS). 69**
**APPENDIX E: HERITAGE NOW, SEPT 2025. STATEMENT OF HERITAGE IMPACT–
BRANXTON ROADWORKS NEW ENGLAND HIGHWAY..... 74**
**APPENDIX F: – BRANXTON ROADWORKS PLANS (AL CIVIL DESIGN, AUGUST 2025)
..... 75**

Tables

Table 1-1 Proposed Activity location.....	9
Table 3-1 Land zoning	23
Table 4-1 SEPP (Transport and Infrastructure) 2021 consultation	30
Table 6-1 Environmental safeguards	46
Table 7-1 Licensing, approvals and permits required	50
Table 8-1 Clause 228 factors addressed	51
Table 8-2 Matters of national environmental significance	52

Figures

Figure 1-1: Location of site (from Lands Department). North to top of all images.	11
Figure 2-1: Aerial image view of subject site	15
Figure 2-2: Subject site topographical information in detail (imagery from Lands Department)	16
Figure 2-3: Layout plan (from AL Civil Design, dated 16.8.25)	17
Figure 3-1: European & Aboriginal Heritage Register (from Heritage NSW, 2025). No listing over site.....	26
Figure 3-2: Land zoning map (from ePlanning, 2025).	27
Figure 3-3: Biodiversity Values Map	28
Figure 3-4: Key Fish Habitat waterway (from NSW Fisheries, 2025).....	29
Figure 5-1: Native vegetation over site (from NSW Plant Community Type Map, 2023)	42
Figure 5-2: Native vegetation over site (by PEAK LAND MANAGEMENT, 2025)	43
Figure 5-3: Flood map (from Cessnock City Council)	44
Figure 5-4: Flood map- 1 in 100 year flood extent (from Cessnock City Council).....	45

1 Introduction

1.1 Purpose of the report

The purpose of the Minor Works Review of Environmental Factors (Minor Works REF) is to describe the Proposed Activity, assess the potential environmental impacts, identify environmental safeguards to mitigate potential impacts and determine whether the works can proceed. The Minor Works REF has considered the following:

- Section 1.7 and Part 5 of the Environmental Planning and Assessment Act 1979 (EP&A Act) including, Sections 5.5 and 5.7
- Clause 228 of the *Environmental Planning and Assessment Regulation 2000* (EP&A Regulation)
- *Biodiversity Conservation Act 2016* (BC Act), the *Fisheries Management Act 1994* (FM Act) and the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)
- Other relevant Federal and State legislative instruments (discussed in Chapter 3).

The findings of the Minor Works REF would be considered when assessing:

- Whether the Proposed Activity is likely to have a significant impact on the environment and therefore the requirement for an environmental impact statement (EIS) to be prepared and approval sought from the relevant determining authority under Sections 5.7 and 5.1 of the EP&A Act.
- The significance of any impact on threatened species as defined by the BC Act (Part 7 Sections 7.2 and 7.3) and FM Act (Part 7A Section 220ZZ), (referred to in section 1.7 of the EP&A Act) and therefore the requirement for a Species Impact Statement (SIS).
- The potential for the Proposed Activity to significantly impact on matters of national environmental significance (MNES) or Commonwealth land and the requirement to make a referral to the Australian Government Department of Agriculture, Water and the Environment (DoAWE) for a decision by the Commonwealth Minister for the Environment and Energy on whether assessment and approval is required under the EPBC Act.

1.2 Proposed Activity overview

The activity comprises upgrade/beautification works along part of the New England Highway at Branxton. It comprises installation/modification of kerbing and guttering and widening/installation of concrete footpaths, raised asphalted areas marking the end of parking bays and driveways, as well as driveway configuration and a traffic calming device in the street.

Figure 1-4 shows the topographical and aerial location of the site, and Table 1-1 the location of the site. Figure 2-2 & Appendix F shows the plans for the proposal.

Table 1-1 Proposed Activity location

Location details	
Address	New England Highway (also known as Maitland St), Branxton
Lot/DP/SP	Road reserve. SP2.
Land ownership	Cessnock City Council.
Council controlled land category	Operational Land.
Local government area:	Cessnock City Council.

1.3 Needs and options considered

1.3.1 Need for the Proposed Activity

Cessnock City Council state:

This revitalisation project is designed to enhance the village character of the area by narrowing the former highway corridor, improving the pedestrian experience, optimising parking and introducing landscaping to create a more welcoming and attractive environment.

1.3.2 Options considered

The issues considered include (from Cessnock City Council, 2025):

Option 1 – do nothing.

Option 2 – Provide revitalisation.

CCC state “*We have considered median garden beds, angled parking both sides of the street, different locations for pedestrian crossing and options to reduce road corridor width with landscaping and parking. The option we have decided on now utilises the road corridor width, prioritises pedestrians, calms traffic and limits the need for traffic control for ongoing garden bed maintenance*”.

This has the following advantages:

- Provides improved pedestrian experience;
- Enhances the village character
- Optimises parking.
- Minimises any environmental impact/enhances landscaping.

1.3.3 Option chosen and justification

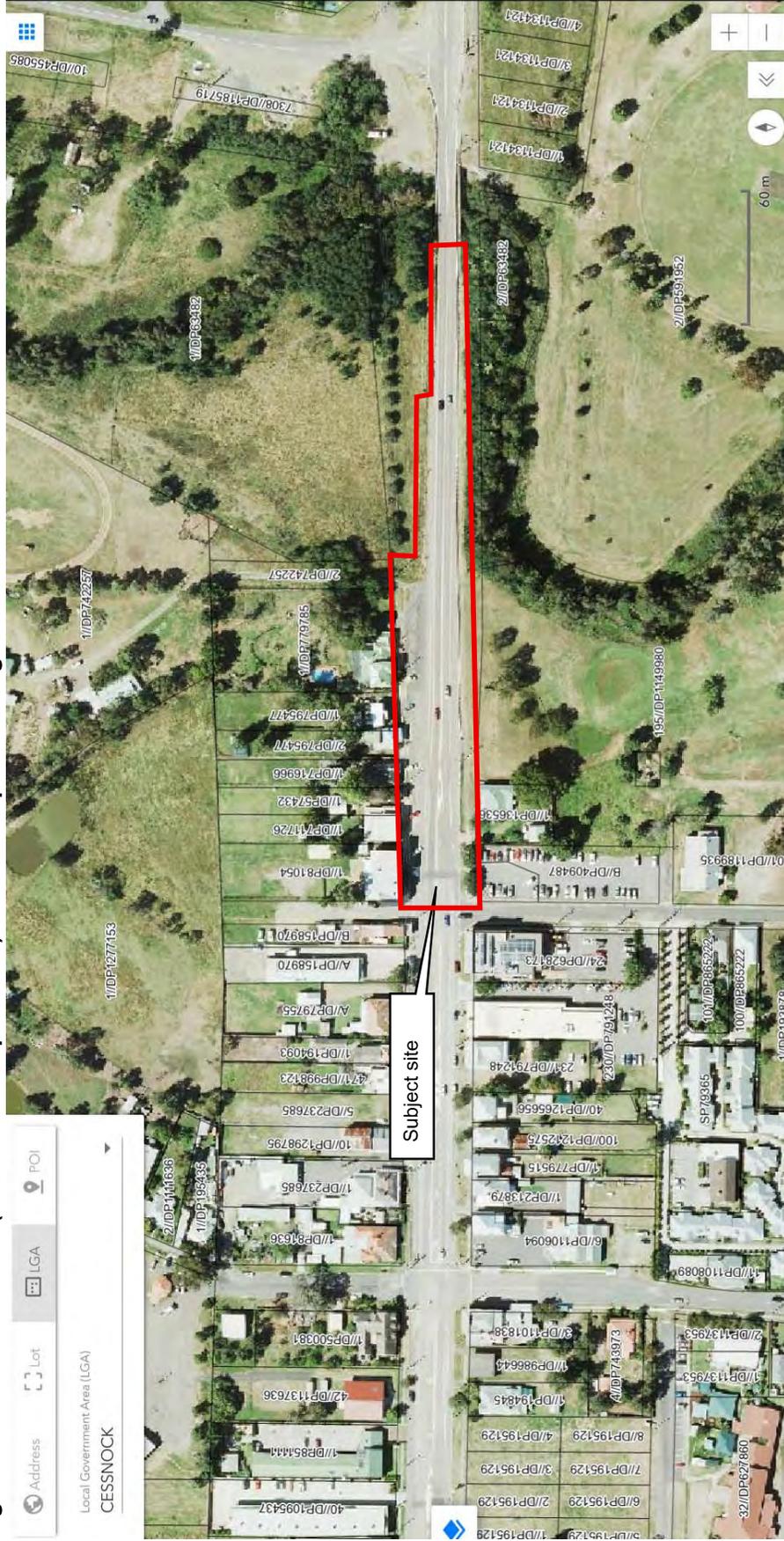
The Do nothing option would not achieve the objectives to provide safe connectivity.

Option 2 was selected based upon:

- Achieves objective;
- Assessed as good against key outcomes/benefits including cost/value.
- Financially feasible.
- Deliver infrastructure with consideration to life cycle costing in order to ensure best value infrastructure for the community.
- Minimise environmental impact.

The preferred option is Option 2 as it meets the objectives outlined in the section 1.3.2 and objective of the operational delivery program 2025-2026.

Figure 1-1: Location of site (from Lands Department). North to top of all images.



2 Description of the Proposed Activity

Council has secured funding from the NSW Government to deliver an upgrade to Branxton Town Centre, spanning from Church Street to the Anvil Creek Bridge.

This revitalisation project is designed to enhance the village character of the area by narrowing the former highway corridor, improving the pedestrian experience, optimising parking and introducing landscaping to create a more welcoming and attractive environment.

Since the opening of the Hunter Expressway in 2014, and the growth of nearby Huntlee, Branxton has emerged as a vibrant village and a key heritage destination in the Hunter Valley. To support this transformation, Council is delivering important upgrades to ensure the town centre keeps pace with the region's growth while preserving its rich character and charm between the areas of Church Street and Anvil Creek Bridge.

Figure 1-4 shows the topographical and aerial location of the site, and Table 1-1 the location of the site. Figure 2-4 & Appendix C shows the plans for the proposal.

The locality of the Proposed Activity is shown in Figures 1-1.

2.1 Description of works

Objectives

Cessnock City Council must undertake the Activity so as to meet the following outcome:

The Branxton Town Centre Project - Church Street to Anvil Creek Bridge upgrade includes:

- New, accessible footpaths
- Rationalised parking arrangements
- Improved drainage infrastructure
- A pedestrian crossing with raised safety platforms
- Tree planting and landscaping enhancements

These improvements will make the town centre safer, greener, and more connected for residents, businesses, and visitors alike.

The design decisions for the Branxton Town Centre upgrade are driven by a commitment to creating a safer, more accessible pedestrian environment. A key focus of the project is to reduce the width of the former highway, encouraging slower vehicle speeds and improving walkability through the town centre. Environmental impacts have been considered throughout the planning process, with measures in place to minimise disruption and protect local ecosystems. The upgrade is designed to enhance the condition and longevity of public infrastructure, ensuring it continues to serve the community effectively for many years to come.

The upgrade will bring a range of benefits to the local economy and business community. It will support the diversification of tourism and enhance the visitor experience by improving way-finding and increasing the overall appeal of the area. As Maitland Street transitions into a

slower-speed environment, the focus will shift toward pedestrian safety and comfort, encouraging foot traffic and more vibrant street activity. The project will also beautify public spaces with landscaping, trees, and seating where possible, while rationalising parking to make better use of existing road space and designated car parks.

The Proposed Activity is expected to comprise the following work methodology:

- Excavation for footpath
- Installation of formwork for pathways
- Installation of steel reinforcing as required
- Pouring and finishing of concrete for pathways, ramps and raised pedestrian crossing
- Removal of formwork and backfilling against concrete where required
- Installation of tactile ground surface indicators
- Installation of signage where required.
- Excavation of existing driveways.
- Reinstatement of driveways using paving (similar to existing) or DGB20 gravel
- Installation of trees and street furniture
- Formalised line marking

This Proposal activity would require but not be limited to the following equipment:

Minor noise and vibration anticipated due to the use of below listed machinery.

- Use of amenities onsite portable toilet
- Site shed/ caravan/ shipping container
- Backhoe
- Excavator
- Grader
- Rollers
- Posi track
- Watercart
- Vibrating plate
- Concrete saw
- Concrete hand tools
- Crew truck
- Ute
- Concrete pump and truck

2.2 Ancillary facilities

Ancillary facilities including a compound & stockpile site required for the Proposed Activity. Compound and stockpiles will be on site. They will be located in John Rose Avenue – Branxton Oval car park area.

2.3 Timing and hours of work

The proposed date of commencement is programmed for:

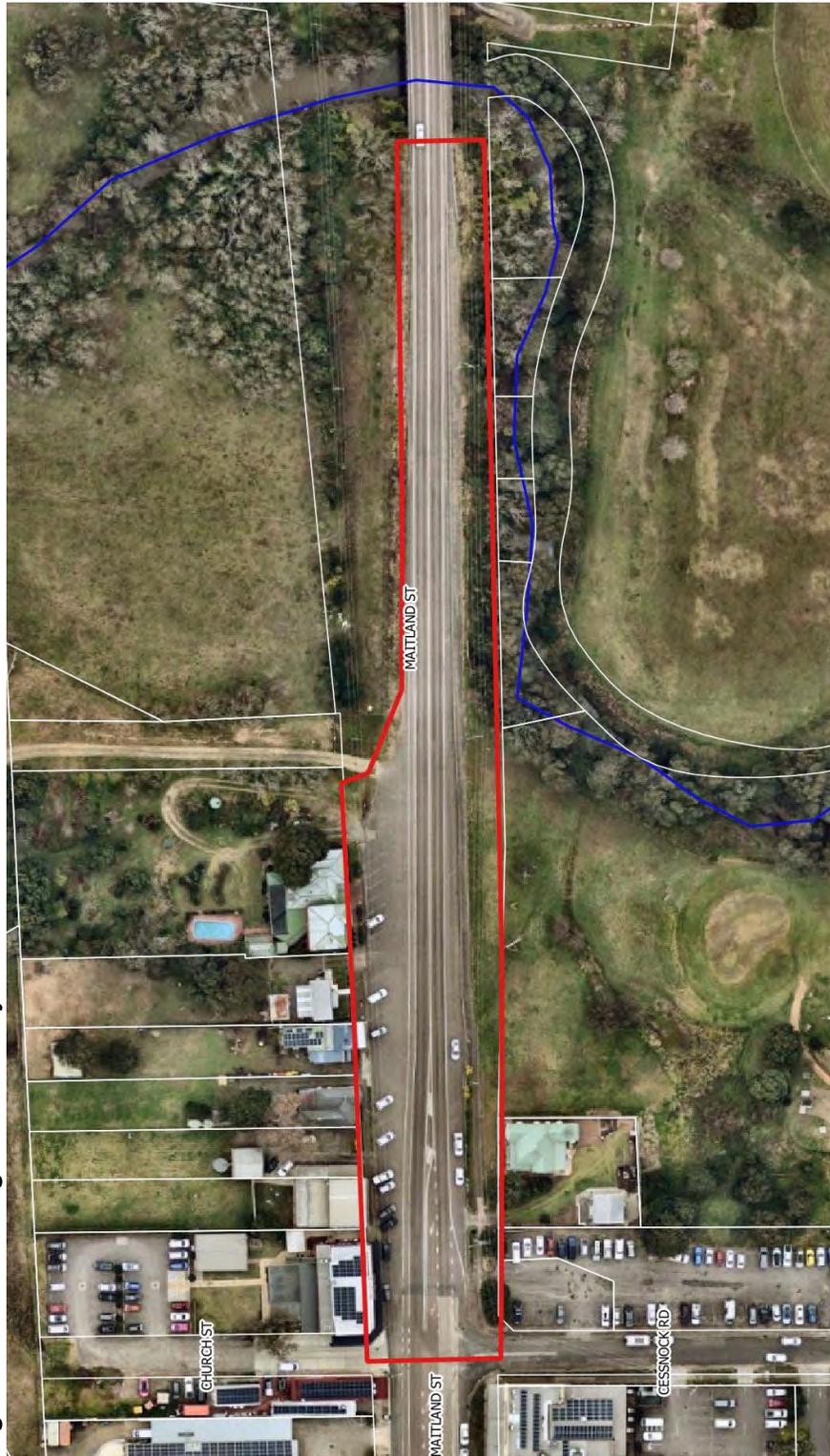
- September 2025-February 2026. 7am-5pm Weekdays.

The hours of work will be:

- Work hours to be 7.00am -5pm weekdays.
- Saturday 8.00am -1pm.
- No work on Sundays or public holidays.

Standard construction noise. There are residential & commercial dwellings within 20m of and surrounding the Project Site. No loud jackhammering, however minor noise and vibration anticipated and use of noise safeguards implemented.

Figure 2-1: Aerial image view of subject site



Legend

- Subject site
- Stream

North



0 10 20 30 40 m



Note: Cadastre & GPS may be subject to inaccuracy

Imagery from nearmap, 29th July, 2025
Projection: GDA 94/MGA zone 56



Figure 2-2: Subject site topographical information in detail (imagery from Lands Department)

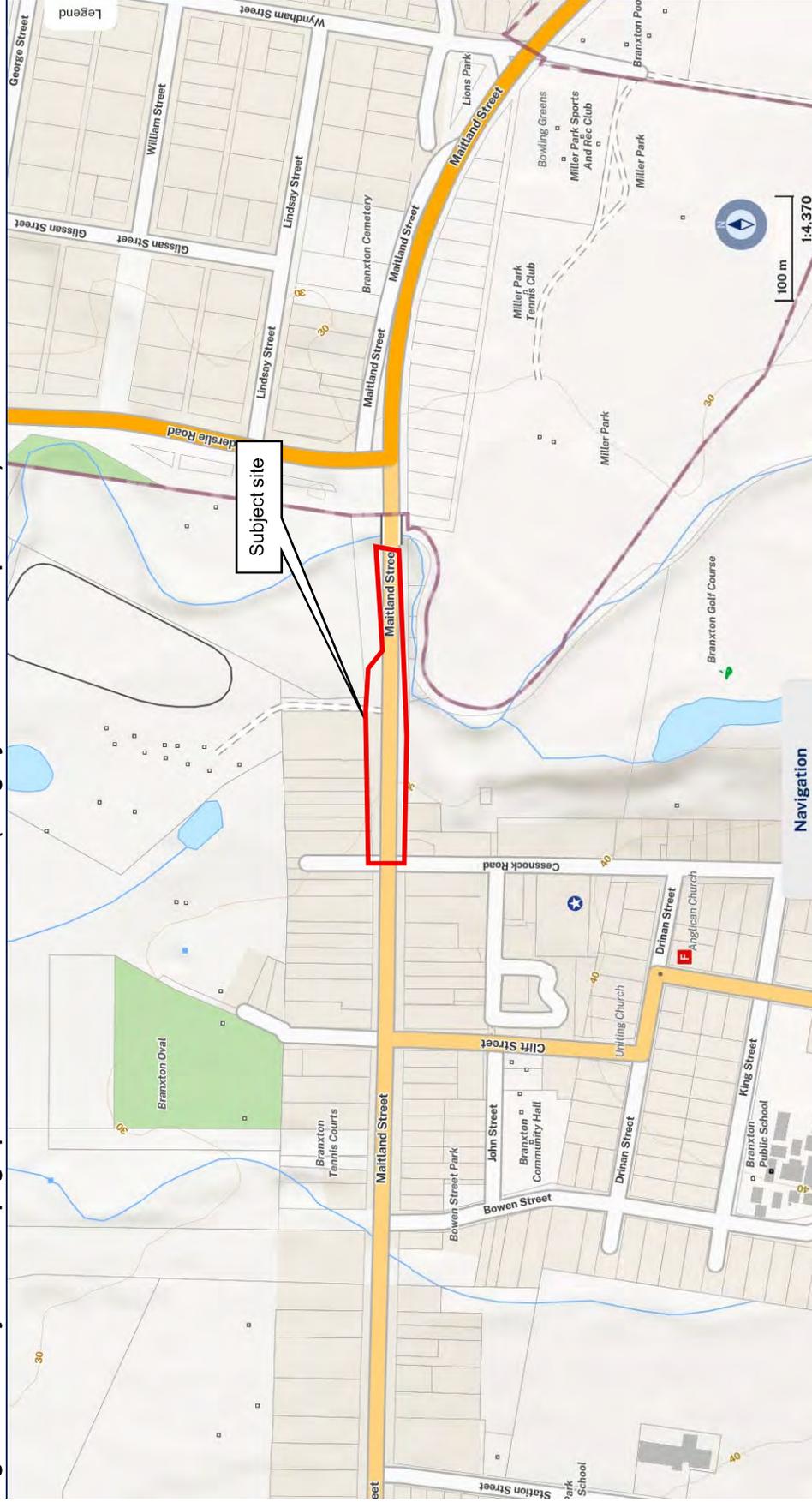


Figure 2-3: Layout plan (from AL Civil Design, dated 16.8.25)



REVISED ON	DATE	BY
DESIGNED	16.08.25	MM
DRAWN	16.08.25	MM
CHECKED	17.02.25	MM
APPROVED	25.03.24	MM
DATE	16.08.25	MM
BY	16.08.25	MM



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DATE:	16.08.25	MM
APPROVED BY:	MM	MM

CESSNOCK CITY COUNCIL
 PROJECT TITLE: BRANXTON BUTTIFICATION NEW ENGLAND HIGHWAY BRANXTON CHURCH ST TO ANVIL CREEK BRIDGE
 WORKING TITLE: OVERALL PLAN
 SHEET 02 OF 37 SHEETS

PROJECT NO:	AL22070
DWG NO:	C02.02
DATE:	16.08.25
BY:	MM
CHECKED BY:	MM
APPROVED BY:	MM

OVERALL PLAN
 SCALE 1:200

3. Legislative Context

3.1 State legislation

3.1.1 *Environmental Planning and Assessment Act 1979*

This Minor Works REF has been undertaken in accordance with Part 5 of the EP&A Act. For this Proposed Activity, Council is both a public authority (EP&A Act section 5.3) and the determining authority (EP&A Act section 5.1). This Minor Works REF has been prepared in accordance with clause 228 of the EP&A Regulation (2000).

3.1.2 *Biodiversity Conservation Act 2016*

The purpose of the Biodiversity Conservation Act (BC Act) is to conserve biological diversity, maintain the diversity and quality of ecosystems, support biodiversity conservation, assess extinction risk, support conservation and threat abatement action to slow the rate of biodiversity loss, establish a framework to avoid, minimise and offset impacts of, and to establish a scientific method for assessing likely impacts and calculating offsets, establish a market-based conservation mechanism.

The five-part test of significance, specified in section 7.3 of the BC Act, is applied to determine whether the Proposed Activity is likely to have a significant impact on threatened species or ecological communities or their habitats. If the Proposed Activity potentially affects any threatened species and/or ecological community listed by the BC Act or their habitat, a five-part test of significance is required.

In this case the Proposed Activity is not impacting any native vegetation (Fig 5-2). There are no impacts. A five-part test of significance is therefore not considered required as no direct impact over threatened species, and no direct impact over any NSW listed Endangered Ecological Community. No impact over critical habitat or endangered populations. The site is adjacent to a mapped Biodiversity Values mapped area, however no impact proposed (Fig. 3 -3).

This assessment has found that there is no significant threat or impact on any local species, population or ecological communities under the EP&A Act 1979, BC Act 2016, Fisheries Management Act 1994, and federal EPBC Act 1999 legislation. The proposed works do not constitute a threatening process.

Further detail is provided in Chapter 4 7 Section 3.1.6. A Biodiversity Report has not been prepared as not required.

3.1.3 Fisheries Management Act 1994

The Proposed Activity is located over existing pathways/disturbed cleared land. The works are over an area mapped as Key Fish Habitat. The Proposed Activity does not involve harm to mangroves or other protected marine vegetation, is not dredging or reclamation, and does not block fish passage and does not involve impact to the Key Fish Habitat waterway (Fig 3-4). Therefore, the works will not require a permit issued by the Minister in accordance with Part 7 of the FM Act. No further consideration to this Act is required.

3.1.4 Heritage Act 1977

The *Heritage Act 1977* (Heritage Act) aims to provide for the identification, registration and conservation of items of State heritage significance.

A search of the State Heritage register was completed in Sept, 2025 and did identify heritage items within or adjacent to the Proposed Activity Site (Fig 3-1).

A report has been prepared by Heritage Now, 2025 (Appendix E) which states in summary:

Heritage Now Pty Ltd (Heritage Now) was engaged by AL Civil Design (the client) on behalf of Cessnock City Council to prepare a Statement of Heritage Impact for proposed Stage 1 upgrade/beautification works along part of the New England Highway that is partially within the 'Branxton Conservation Area (C3)' and adjacent the Commercial Hotel (I35) and the Branxton Inn (I34), all of local heritage significance. This assessment included a review and analysis of background information, and a site inspection undertaken by Crystal Phillips (Senior Heritage Consultant).

The proposed works include installation/modification of kerbing and guttering and widening/installation of concrete footpaths, raised asphalted areas marking the end of parking bays and driveways, as well as driveway configuration and a speed hump in the roadway.

The proposed works will not impact the heritage fabric of the adjacent Commercial Hotel (I35) or Branxton Inn (I34). The proposed works will have minor visual impacts through minor alterations of the streetscape, however, this will not affect the heritage values of the 'Branxton Conservation Area (C3)'. The views, vistas, heritage fabric and setting which contribute to the heritage significance of the Branxton Heritage Conservation Area will be maintained and the works will increase the amenity of the Branxton town centre. The works will not affect the heritage values of the 'Branxton Conservation Area (C3)'. Works may proceed in accordance with the below recommendations.

Recommendation 1

All on-site personnel are to be made aware of their obligations under the NSW Heritage Act 1977, including the reporting of any archaeological or historic materials, or those suspected to be archaeological or historic. This may be implemented through an on-site induction or other suitable format.

Recommendation 2

In the unlikely event that archaeological, or suspected archaeological material is uncovered during works, then works in that area are to cease and the area is to be cordoned off. The material is to be inspected by a heritage consultant and works in that area are only to recommence once heritage clearance has been gained and/or mitigation and management measures implemented.

No further consideration is required under the Act.

3.1.4 Protection of the Environment Operations Act 1997

The *Protection of the Environment Operations Act 1997* (POEO Act) is administered by the NSW Environment Protection Authority (EPA) and requires licences for environmental protection, including waste, air, water and noise pollution control for certain scheduled activities. Schedule 1 of the POEO Act identifies scheduled activities for which an environment protection licence (EPL) is required.

Clause 15 of Schedule 1 lists that disturbance of more than an aggregate area of three hectares of contaminated soils requires an EPL. As the Proposed Activity site requires disturbance of <3Ha, the requirement for an EPL is not required.

The works required for the Proposed Activity aren't listed in Schedule 1 of the Act, therefore no further requirements are needed.

3.1.6 Biosecurity Act 2015

The *Biosecurity Act 2015* is about managing diseases and pests that may cause harm to human, animal or plant health or the environment. The Act:

- embeds the principle of shared responsibility for biosecurity risks (including weeds) across government, community and industry
- applies equally to all NSW, whether publicly or privately owned, and is premised on the concept of risk, so that weed management investment and response is appropriate to risk
- supports regional planning and management for weeds, as recommended by the Review of Weeds Management in NSW.

NSW Department of Primary Industries (DPI) administers the Act and determines the weed species covered by regulatory tools such as Prohibited Matter, Control Orders and Biosecurity Zones. The Hunter Regional Strategic Weed Management Plan 2023-2027 applies to any listed weeds identified including those requiring a strategic response in accordance with steps prescribed in the plan.

A site inspection/ flora & fauna survey (Appendix C) was completed in Sept, 2025 which identified a listed priority weed requiring management under this Act, being Willow. Location shown in Fig 5-2.

3.1.7 Water Management Act 2000

The objects of the *Water Management Act 2000* (WM Act) are to provide for the sustainable and integrated management of the water sources of the State for the benefit of both present and future generations.

Section 91 of the Act sets out requirements relating to approvals required to undertake controlled activities on waterfront land. Public authorities (of which Council are one) are exempt from the need to obtain a controlled activities approval under the Water Management Act.

The Proposed Activity does require stormwater drainage, with water to runoff into existing road stormwater drainage system. Local hydrology is not anticipated to be affected.

No further consideration is required under the Act.

3.1.8 Coastal Management Act 2016

The objects of this Act are to manage the coastal environment of New South Wales in a manner consistent with the principles of ecologically sustainable development for the social, cultural and economic well-being of the people of the State.

The Proposed Activity Site is not within a coastal use zone management area. No further requirements under this Act.

3.1.9 Coal Mine Subsidence Compensation Act 2017

The object of this Act is to provide for a fair, efficient and sustainable compensation framework for dealing with the impacts of coal mine subsidence.

- (2) In particular, it is the object of this Act to provide for—*
- (a) a scheme for the provision of compensation for damage caused by subsidence resulting from coal mine operations, and*
 - (b) the assessment and management of risks associated with subsidence resulting from coal mine operations.*

Subsidence Advisory regulates building and subdivision works within districts to ensure new homes and structures are built to an appropriate standard that reduces the risk of damage should subsidence occur.

All development within a district is required to meet Subsidence Advisory's approval requirements. Building and subdivision applications must be submitted and approved prior to commencing work.

The subject site is not mapped as a coal mine subsidence area. Approval is not required from Subsidence Advisory prior to any site works.

3.2 State Environmental Planning Policies

3.2.1 State Environmental Planning Policy (Transport and Infrastructure) 2021

State Environmental Planning Policy (Transport and Infrastructure) 2021, aims to facilitate the effective delivery of infrastructure across the State, including for the proposed road works.

Section 2.109 of the SEPP provides that development for the purposes of a road or road infrastructure facility may be undertaken by a public authority on any land permits development on any land for the purpose of a road or road infrastructure facilities to be carried out by or on behalf of a public authority without consent.

As the proposed works are appropriately characterised as development for the purposes of a road or road infrastructure facilities, and is to be carried out by or on behalf of Cessnock City Council, it can be assessed under Part 5 of the EP&A Act. Development consent from council is not required.

The proposal is not located on land reserved under the *National Parks and Wildlife Act 1974* and does not affect land or development regulated by *Coastal Management Act 2016* (such as Coastal Wetlands or Littoral Rainforests SEPPs).

The Activity site is Cessnock City Council owned and managed land. The Proposed Activity can be carried out by Council without consent.

3.2.2 State Environmental Planning Policy (Hazards and Resilience) 2021

The State Environmental Planning Policy (Hazards and Resilience) 2021 aims to promote an integrated and co-ordinated approach to land use planning in the coastal zone in a manner consistent with the objects of the Coastal Management Act 2016 (CM Act).

The Proposed Activity Site is not located on land mapped as 'coastal environment area' under Division 3 of the SEPP (Hazards and Resilience) 2021 which permits development with consent.

Therefore the Proposed Activity can be carried out as ‘development without consent’ under section 2.73 of the SEPP (Transport and Infrastructure) 2021.

3.2.3 State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017

The SEPP will ensure the biodiversity offset scheme (established under the Land Management and Biodiversity reforms) will apply to all clearing of native vegetation that exceeds the offset thresholds in urban areas and environmental conservation zones that does not require development consent.

In this case there is no native vegetation clearing and this SEPP is therefore addressed.

3.2.4 State Environmental Planning Policy No 55 – Remediation of Land

This policy applies to the whole of the State and aims to promote the remediation of contaminated land for the purpose of reducing the risk of harm to human health or any other aspect of the environment.

This site is not mapped as contaminated land under SEPP 55 (as per NSW Planning Portal Spatial Viewer, 2025).

Consideration of contaminated land has also been addressed in Section 5.1.

3.3 Cessnock Local Environmental Plan 2011

The Proposed Activity Site is located in the Cessnock LGA and the provisions of the Cessnock local environmental plan (LEP) (2011) apply. The land zoning of the Proposed Activity Site is outlined in Table 3-1 and Figure 3-2.

Table 3-1 Land zoning

Zone	Location	Objectives of Zone	Permissibility
SP2 Infrastructure	Branxton	<ul style="list-style-type: none"> To provide for infrastructure and related uses. To prevent development that is not compatible with or that may detract from the provision of infrastructure. 	Permitted with consent

The Proposed Activity is permitted with consent, however the provision of the State Environmental Planning Policy (Transport and Infrastructure) 2021 (SEPP (Transport and Infrastructure) 2021) override the requirement for consent under the Cessnock LEP 2011 and therefore development consent is not required under Part 4 of the EP&A Act.

3.4 Commonwealth legislation

3.4.1 Environment Protection & Biodiversity Conservation Act 1999

The EPBC Act protects Matters of National Environmental Significance (MNES), such as threatened species and ecological communities, migratory species (protected under international agreements), and national heritage places (among others).

Any actions that will, or are likely to have a significant impact on MNES require referral and approval from the Australian Government Minister for the Environment (the Minister). These are considered in section 8.2.

MNES have not been identified over the Proposed Activity site, and no impacts over any threatened species habitat or Federal listed Endangered Ecological Communities.

3.4.2 Native Title Act 1993

Native Title is how Australian law recognizes the rights and interests that Aboriginal people and Torres Strait Islanders hold in the land and waters under their traditional laws and customs.

The objects of the Native Title Act are to:

- Provide recognition and protection of native title;
- Establish ways in which future dealings affecting native title may proceed and to set standards for those dealings;
- Establish a mechanism for determining claims to native title; and
- Provide for, or permit, the validation of past acts invalidated because of the existence of native title.

Due to recent changes in NSW Crown land legislation, the *Crown Land Management Act 2016* now requires Council to comply with the Native Title Act for all acts that occur on Crown land that Council manages. This legislation also requires each Council to employ a Native Title Manager that undertakes the assessment of these acts to ensure compliance with the Native Title Act.

Advice is required on all Crown land Council manages regardless if native title has been determined or not. An assumption is made that native title could be determined in the future and therefore compliance with the Native Title Act is required for all activities. To ensure compliance native title manager advice will need to be sought during the project process.

A review of Crown Land Manager Reserves Portal identified the Proposed Activity Site is not on Crown Land that Council is manager. It addresses this Act and no native title manager advice is required in this case.

3.5 Confirmation of statutory position

The Proposed Activity can be carried out as 'development without consent' under Division 12, Section 2.109 of the SEPP (Transport and Infrastructure) 2021.

The Proposed Activity is not state significant infrastructure (SSI) or state significant development (SSD). The Proposed Activity can be assessed under Division 5.1 of the EP&A Act.

Council is the determining authority for the Proposed Activity. This Minor Works REF fulfils Councils obligation under section 5.5 of the EP&A Act.

Figure 3-1: European & Aboriginal Heritage Register (from Heritage NSW, 2025). No listing over site.

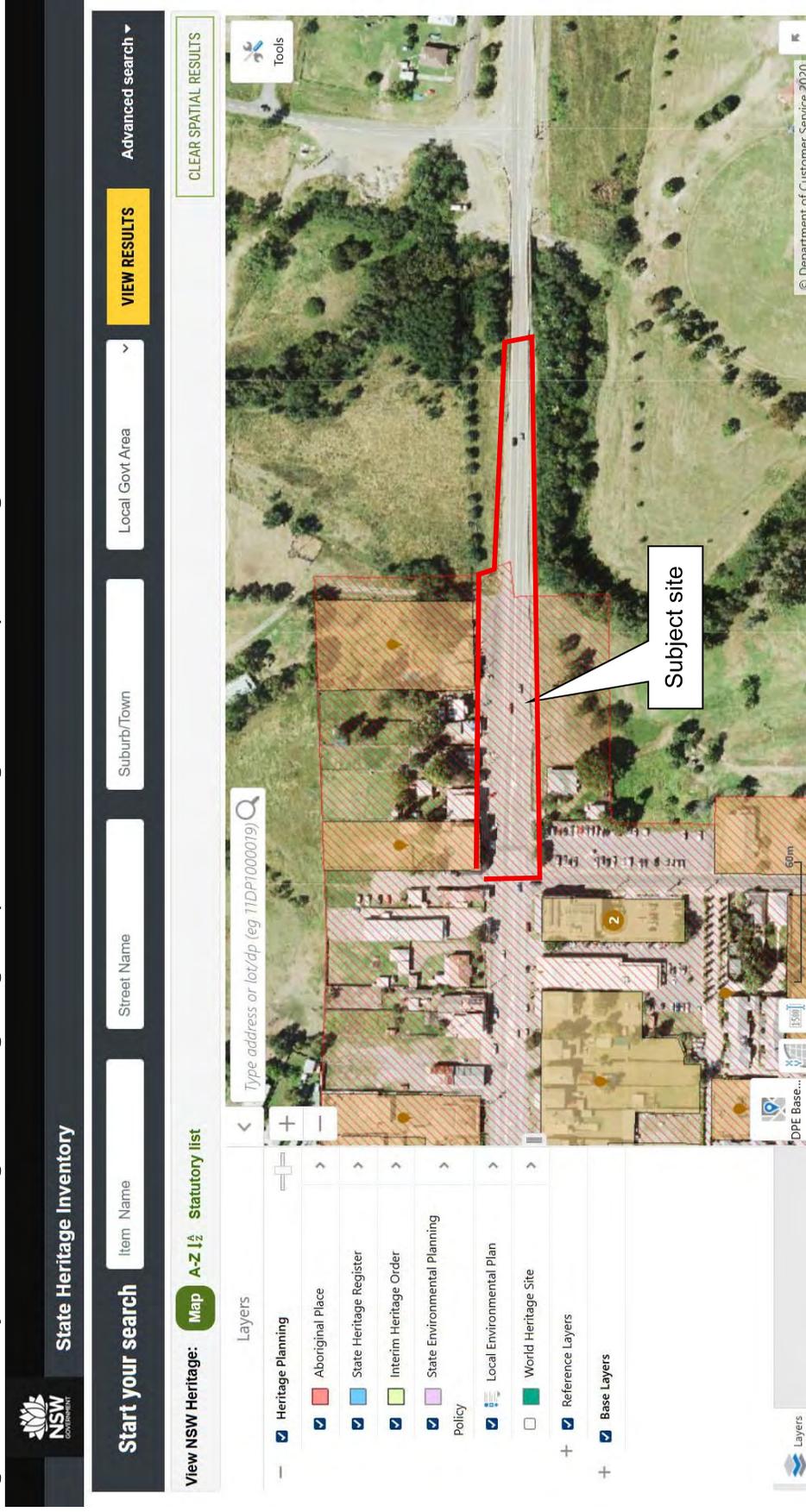
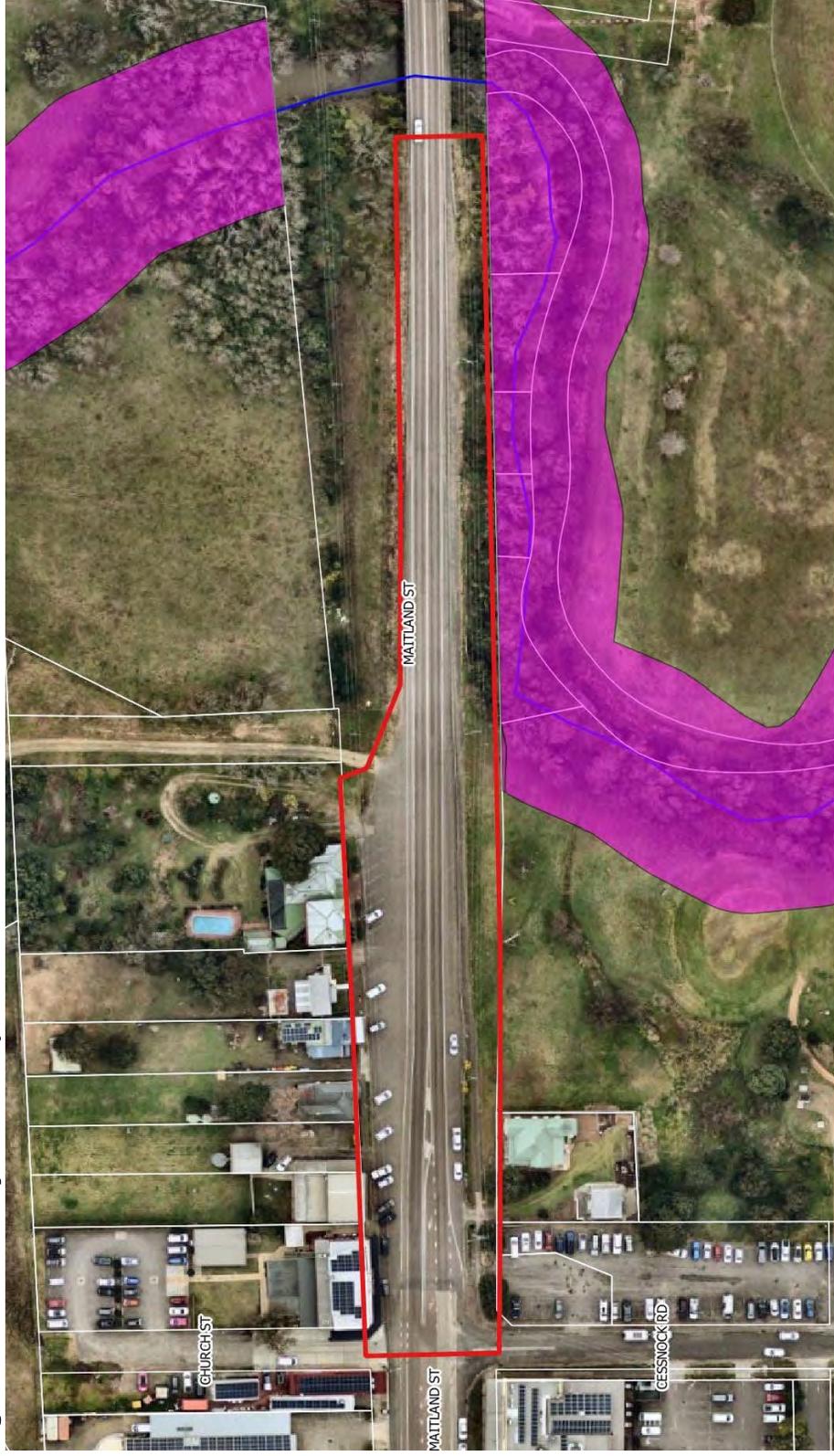


Figure 3-2: Land zoning map (from ePlanning, 2025).



Figure 3-3: Biodiversity Values Map



Legend

- Subject site
- BV18_Web BiodiversityValues MultiPolygonZM
- Stream

North



0 10 20 30 40 m

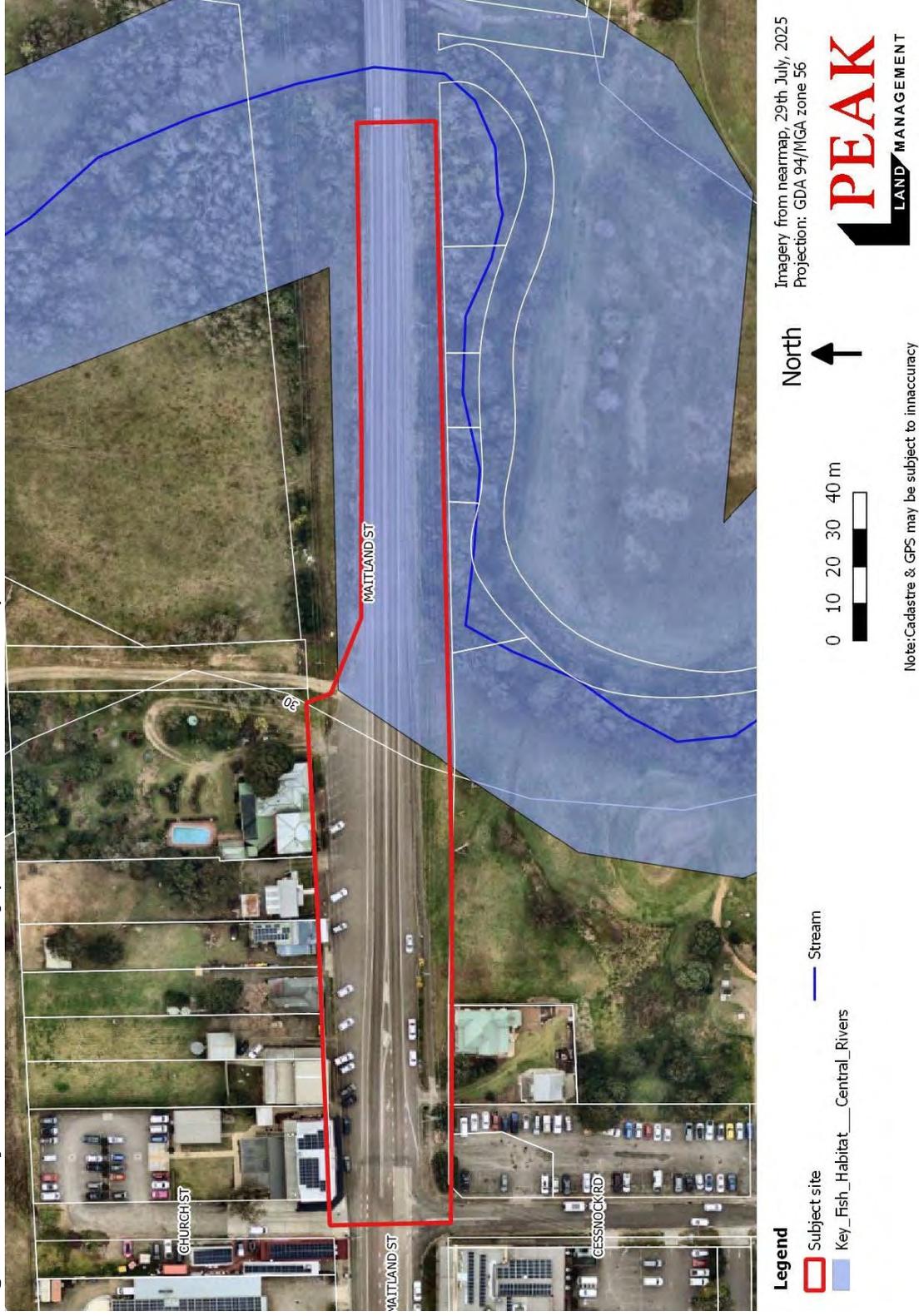


Imagery from nearmap, 29th July, 2025
Projection: GDA 94/MGA zone 56



Note: Cadastre & GPS may be subject to inaccuracy

Figure 3-4: Key Fish Habitat Waterway (from NSW Fisheries, 2025)



4. Agency and stakeholder consultation

4.1 SEPP (Transport and Infrastructure) consultation

Part 2.2, Division 1 of the SEPP (Transport and Infrastructure) 2021 contains provisions for consultation with public authorities prior to the commencement of certain types of development.

Table 4-1 lists the consultation requirements under this SEPP.

Table 4-1 SEPP (Transport and Infrastructure) 2021 consultation

Is consultation required the infrastructure SEPP?	Yes	No
<p>Clause 15AA: Is the Proposed Activity located on flood liable land? If so, will the works change flooding patterns to more than a minor extent?</p> <p>The land is prone to flooding (Fig 5-2 & 5-3). Cessnock City Council mapping shows the subject site is H6 Flood Zone (significant impact during a 1 in 100 year flood event). However the proposed works make use of existing stormwater infrastructure with no redirection of flood waters or change in flooding patterns.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Clause 16, 2a: Is the Proposed Activity located adjacent to a national park, nature reserve or other area reserved under the <i>National Parks and Wildlife Act 1974</i>, or on land acquired under that Act?</p> <p>The proposed Activity site is located in a residential area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Clause 16, 2b: Is the Proposed Activity located on land in Zone E1 National Parks and Nature Reserves?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Clause 16, 2e: Is the Proposed Activity include a fixed or floating structure in or over navigable waters?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Clause 16, 2f: Is the Proposed Activity for the purpose of residential development, an educational establishment, a health services facility, a correctional facility or group home in bush fire prone land?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Clause 16, 2i: Is the Proposed Activity within a mine subsidence district within the meaning of the <i>Mine Subsidence Compensation Act 1961</i>?</p> <p>Notification & approval from Mine Subsidence Advisory is not required as not located within a mapped mine subsidence area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4.2 Other consultation

Council has conducted consultation. Council advise:

The Branxton Town Centre Masterplan was publicly exhibited in 2019. One of the major stakeholders in Branxton is Belford Land Co, represented by Anthony Medich. The company has been engaged throughout the development process and consulted on both current and future concept designs.

Stage 1 of the project, covering the area from Church Street (now renamed Paterson Lane) to Anvil Creek, has received generally positive feedback.

Community notification efforts, including letterbox drops and door knocking, will begin on Friday, 22 August. A community engagement session is scheduled for Wednesday, 26 August, to inform residents about the proposed works and gather feedback on landscaping options.

Prior to construction commencing there will be notification through Councils website and social media, and on site signage.

Other agency consultation:

No other government agency consultation required.

5. Existing environment and impact assessment

5.1 Soil

Description of existing environment and potential impact	Yes	No
Does the Proposed Activity involve the disturbance of large areas (e.g. >2ha) for earthworks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the Proposed Activity Site have constraints for erosion and sedimentation controls (e.g. steep gradients or narrow corridors)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are there any known occurrences of salinity or acid sulphate soils in the Proposed Activity Site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Is there any evidence within or in proximity to the Proposed Activity Site of potential contamination?</p> <p>A search was carried out of the following database on the Sept, 2025:</p> <ul style="list-style-type: none"> EPA contaminated land record register. Cessnock City Council contaminated land records register. <p>It returned no records within the subject site area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Are there any sensitive receiving environments that are located within or in proximity to the Proposed Activity Site that would likely receive stormwater discharge from the Proposed Activity?</p> <p>The proposed Activity site is located within a residential area. Stormwater from the pathways leads to the road stormwater system. This water is released to Anvil Creek (Fig 2-2). It will receive stormwater discharge and possible sediment /pollutants from the project.</p> <p>An Erosion and sediment control plan which includes measures to prevent pollutants including sediment, rubbish, fertilizers, pesticides, or other pollutants discharging off site is required during construction to mitigate off site impact into Anvil Creek.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Additional information</p> <p>The disturbed areas to be reinstated with soil & grassed after the construction work is completed.</p>		

5.1.1 Soil – Environmental Safeguards

The safeguards for potential soil impacts identified in section 5.1 above will include:

- A standard Erosion and Sediment Control Plan to be prepared. This will be completed in accordance with the Blue Book.
- Any site works will not commence until a site-specific erosion and sediment control plan which also addresses possible stormwater concrete wash/pollutant has been finalised.
- All soil impacts identified will be managed in accordance with the environmental safeguards in Chapter 6.

- The excavated material will be used for back fill. The excess material should be appropriately assessed, treated and disposed to tip as a General Solid Waste, unless it is contaminated.
- If any other unknown contaminated soils are uncovered during the works, all works must cease immediately and notify the Project Manager.
- Measures to prevent or minimise any potential fertilizers, pesticides, rubbish, or other pollutants washing off site into Werakata State Conservation Area is recommended.

All soil impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.2 Water

Description of existing environment and potential impact	Yes	No
<p>Is the Proposed Activity Site located within, adjacent to or near a waterway?</p> <p>Anvil Creek is located adjacent to the project area. No works proposed within the natural watercourse.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Is the location of the Proposed Activity Site known to flood or be prone to water logging?</p> <p>Council are aware of ongoing stormwater and drainage issues in front of the Branxton Inn. The project addresses this issue by linking the affected area into the existing stormwater network.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Is the Proposed Activity likely to require the extraction or diversion of water from a local water course?</p> <p>I</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5.2.1 Water – Environmental Safeguards

The safeguards for potential water impacts identified in section above will include:

- An Erosion and Sediment Control Plan is required for prior to beginning work. This will be completed in accordance with the Blue Book.
- Erosion and Sediment control measures will be implemented at any stockpiles and work areas to avoid impacts to waterways via stormwater runoff.
- Erosion and sedimentation controls would be checked and maintained on a regular basis and records kept and provided on request.
- No release of dirty/polluted water into stormwater channels/culverts/drainage lines and/or waterways.
- Erosion and sediment control measures would not to be removed until the works are complete and areas are stabilised.
- Ensure project is undertaken in accordance with any relevant water restrictions.
- Monitor weather forecasts to avoid work in forecast flood times, and remove all machinery and equipment where feasible from the site during floods. Bund stockpiles (or remove stockpile from flood zone) to prevent erosion/loss of material during floods.

All water impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.3 Biodiversity

Description of existing environment and potential impact	Yes	No
<p>Did the relevant database searches identify any endangered ecological communities, threatened flora and/or threatened or protected fauna within the vicinity of the Proposed Activity Site?</p> <p>A search of the NSW Department of Planning (DCCEEW) Bionet database was completed Sept, 2025 for NSW and Federal threatened fauna, threatened flora, migratory species and threatened ecological communities within a 10-kilometre radius of the Proposed Activity Site, and is provided in Appendix D.</p> <p>The Project Site is disturbed and cleared (including understorey), with no proposed native vegetation impacts. It adjoins native vegetation (Fig 5-2).</p> <p>Threatened fauna or flora species records did not occur within the Proposed Activity Site under Bionet, but are recorded over adjoining native vegetation which is to be retained and unaffected by the proposal.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Did the site inspection confirm the presence of any endangered ecological communities, threatened flora and/or threatened or protected fauna, or migratory species in or within the vicinity of the Proposed Activity? Both Federal and State listed matters must be considered.</p> <p>A flora & fauna survey was conducted over the site on the 29th August, 2025. No threatened fauna or flora species were recorded, and no foraging habitat for threatened fauna present. Appendix E shows the flora & fauna survey results. No impact over any Endangered Ecological Community, or threatened species habitat.</p> <p>Native vegetation and habitat for threatened species is located adjoining the site.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Did the site inspection confirm the presence of fauna habitat?</p> <p>Habitat for threatened fauna is not present over the site (see Fig 5-2 & Appendix C).</p> <p>This assessment has found that there is no significant threat or impact on any local species, population or ecological communities under the <i>EP&A Act 1979</i>, <i>BC Act 2016</i>, <i>Fisheries Management Act 1994</i>, and federal <i>EPBC Act 1999</i> legislation assuming safeguards within this Review of Environmental Factors are implemented. The proposed works do not constitute a threatening process.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Are any listed priority weeds located within the Proposed Activity Site?</p> <p>Yes, to be removed over the site in accordance with the Act.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Will the Proposed Activity require removal or trimming of vegetation?</p> <p>No native vegetation is affected by the proposal.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Will the Proposed Activity provide any additional barriers to the movement of wildlife?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Will the Proposed Activity disturb any natural waterways or aquatic habitat?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Description of existing environment and potential impact	Yes	No
Assuming all safeguards correctly put in place, maintained, and no escape of sediment, pollution, or the like occurs both during and after construction/operation into the off site Anvil Creek. .		
Will the Proposed Activity occur within an area of Critical habitat? No Critical habitat listed within Cessnock LGA.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the Proposed Activity occur within an area of outstanding biodiversity value (within the meaning of the <i>Biodiversity Conservation Act 2016</i>)? No outstanding biodiversity value listed within Cessnock LGA.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5.3.1 Biodiversity – Environmental Safeguards

The safeguards for potential biodiversity impacts identified in section above will include:

- All native vegetation/trees (as shown in Figure 5-2) should be retained outside of the nominated development footprint.
- Prior to construction, a Construction Environmental Management Plan is to be developed which includes standard measures:
 - Installation of appropriate delineation to the boundary of the retained vegetation where there is some potential for accidental encroachment. This will include temporary exclusion fencing, with appropriate signage such as ‘No Go Zone’ or ‘Environmental Protection Area’. Identification of any ‘No Go Zones’ in site inductions for all construction personnel.
 - All trees to be removed should be clearly flagged/painted with surveyors flagging tape/paint dot prior to clearing;
 - All material stockpiles, vehicle parking and machinery storage should be located within the compound/stockpile sites where feasible, and not in areas of native vegetation that are to be retained.
 - Sedimentation and erosion control measures including silt fencing, sediment traps, etc. to prevent sediment-laden stormwater exiting the construction areas and to prevent scouring and erosion of land beyond the development footprint.
 - All erosion and sediment control measures are to be constructed and installed in accordance with relevant guidelines, are to be regularly maintained for the duration of the construction period and are to be carefully removed at completion of works.
 - Sediment and erosion control measures should follow recommendations of The Blue Book –Managing Urban Stormwater: Soils and Construction (Landcom 2004).
 - Dust suppression measures to ensure dust deposition beyond the construction area is minimised.
 - Weed and pathogen management including weed hygiene protocols for personnel, machinery and construction materials entering and exiting construction areas to minimise risk of weed and pathogen introduction and spread.

- Waste management is to ensure food scraps and other organic waste that may attract introduced predators (e.g. fox, cats) or other pests (e.g. rats) is not stored for prolonged periods within the construction site.
 - As far as practicable, all construction activities are to undertaken during daylight hours to minimise noise impacts on people/residents and on fauna utilising adjacent habitats.
 - Where appropriate native vegetation cleared from the subject site should be mulched for re-use on the site, to stabilise bare ground.
 - Security lighting within the construction site is to be minimised and where required, is to be oriented such that light spill beyond the subject site and in to patches of retained vegetation is minimised.
 - Project manager to supervise periodically over the construction timeframe clearing works & ongoing protection of trees to protect environmental values.
 - Project manager to ensure erosion and sediment control structures are maintained and the viability and quality of the protected bushland and other trees retained, and in particular no damage to retained remnant tree root zones.
- No exotic grasses or other exotic plants with weed potential should be introduced to the site.
 - No pollutant or other non natural substances allowed to leave site and pollute any offsite creek water system.

All biodiversity impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.4 Aboriginal heritage

Description of existing environment and potential impact	Yes	No
<p>Has the AHIMS basic search (using a 200-metre search area) been completed?</p> <p>Results shown in Appendix B. No AHIMS records near the project area are recorded. No AHIMS sites are over the proposed pathway site. The works are over previously disturbed, cleared and levelled site. The works are consistent with the requirements of the <i>Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales</i>, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010).</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Would the Proposed Activity involve the removal of mature native trees?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Does the Proposed Activity Site occur on Crown Land?</p> <p>The Proposed Activity Site is not mapped as Council controlled crown land under the NSW Crown Lands Portal, Sept, 2025 (Fig 3-3). Note Portal down at time of checking-needs verifying. No further native title requirements.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.4.1 Aboriginal heritage – Environmental Safeguards

The safeguards for potential Aboriginal heritage impacts identified in section above will include.

- In the event that an unexpected Aboriginal object is identified within the Proposed Activity Site, all activities within 20 metres of the identified Aboriginal object should

cease and a suitably qualified archaeologist should be contacted to confirm the validity of the object.

All Aboriginal heritage impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.5 Non-Aboriginal heritage

Description of existing environment and potential impact	Yes	No
<p>Have online heritage database searches been completed?</p> <p>The following database searches showed no Non-Aboriginal heritage, and European heritage was present over the site (Figure 3-1).</p> <ul style="list-style-type: none"> • Relevant Section 170 registers • NSW Heritage database • Commonwealth EPBC heritage list • Australian Heritage Places Inventory • Local Environmental Plan(s) heritage items. <p>See Appendix E.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

A search of the State Heritage register was completed in Sept, 2025 and did identify heritage items within or adjacent to the Proposed Activity Site (Fig 3-1).

A report has been prepared by Heritage Now, 2025 (Appendix E) which states in summary:

Heritage Now Pty Ltd (Heritage Now) was engaged by AL Civil Design (the client) on behalf of Cessnock City Council to prepare a Statement of Heritage Impact for proposed Stage 1 upgrade/beautification works along part of the New England Highway that is partially within the 'Branxton Conservation Area (C3)' and adjacent the Commercial Hotel (I35) and the Branxton Inn (I34), all of local heritage significance. This assessment included a review and analysis of background information, and a site inspection undertaken by Crystal Phillips (Senior Heritage Consultant).

The proposed works include installation/modification of kerbing and guttering and widening/installation of concrete footpaths, raised asphalted areas marking the end of parking bays and driveways, as well as driveway configuration and a speed hump in the roadway.

The proposed works will not impact the heritage fabric of the adjacent Commercial Hotel (I35) or Branxton Inn (I34). The proposed works will have minor visual impacts through minor alterations of the streetscape, however, this will not affect the heritage values of the 'Branxton Conservation Area (C3)'. The views, vistas, heritage fabric and setting which contribute to the heritage significance of the Branxton Heritage Conservation Area will be maintained and the works will increase the amenity of the Branxton town centre. The works will not affect the heritage values of the 'Branxton Conservation Area (C3)'. Works may proceed in accordance with the below recommendations.

5.5.1 Non-Aboriginal heritage – Environmental Safeguards

The safeguards for potential non-Aboriginal heritage impacts identified in section above will include:

- In the event that unexpected heritage items are discovered, all work in the area of the item shall cease immediately. The Project Manager will engage the Heritage Division, NSW Government and a qualified heritage consultant, in accordance with Section 146 of the Heritage Act.
- All on-site personnel are to be made aware of their obligations under the NSW Heritage Act 1977, including the reporting of any archaeological or historic materials, or those suspected to be archaeological or historic. This may be implemented through an on-site induction or other suitable format.

All non-Aboriginal heritage impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.6 Noise and vibration

Description of existing environment and potential impact	Yes	No
<p>Will the Proposed Activity be undertaken outside of standard working hours? Standard working hours being:</p> <ul style="list-style-type: none"> • Monday-Friday: 7:00am to 6.00pm • Saturday: 8.00am to 1.00pm • Sunday and Public Holidays: no work 	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Are there any noise sensitive receivers in vicinity of the Proposed Activity?</p> <p>The closest residential receivers are located surrounding the Proposed Activity Site within 20-30m as within a residential & commercial township area. Minor noise and vibration anticipated. Noise safeguards to be in place.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Will the works result in vibration being experienced by any surrounding properties or infrastructure (during either construction or operation)?</p> <p>Minor noise and vibration anticipated.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.6.1 Noise – Environmental Safeguards

The safeguards for potential noise impacts identified in section above will include:

- All works will be undertaken during standard construction hours (Monday to Friday 7am to 6pm and Saturday 8am to 1pm).
- Switch off machinery when it is not in use.
- Limit use of any noisy machinery.

All noise impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.7 Socio-economic

Description of existing environment and potential impact	Yes	No
<p>Are any residents, businesses, public facilities (e.g. hospitals, schools) located in vicinity to the Proposed Activity?</p> <p>The closest residential receivers are located surrounding the Proposed Activity Site within 20-30m as within a residential/commercial township area. Minor noise and vibration anticipated.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.7.1 Socio-economic – Environmental Safeguards

The safeguards for potential socio-economic impacts identified in section above will include:

- Notification to all local potentially affected property owners will be completed seven (7) days prior to works commencing.
- Residential properties and commercial premises to be accessible at all times.

All socio economic impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.8 Visual amenity

Description of existing environment and potential impact	Yes	No
<p>Is the Proposed Activity near an important physical or cultural element or landscape? (e.g. heritage items and areas, National Parks, conservation areas, etc.)?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Do trees (if present) form part of a streetscape, an avenue or roadside planting and/or have the trees been planted by a community group, landcare group or by council or is the tree a memorial or part of a memorial group?</p> <p>No planted vegetation present or affected.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Would the Proposed Activity obstruct or intrude upon the character or views of a valued landscape or urban area?</p> <p>The proposal will not interrupt any views or character of the local area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Will the Proposed Activity result in unwanted light spillage on residential properties or into bushland (during construction or operation)?</p> <p>Ensure construction lighting, and permanent lighting (if installed) does not spill light into adjacent residences or bushland.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Does the Proposed Activity include any new structures or features being constructed that may result in over shadowing to adjoining properties or areas?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5.8.1 Visual amenity – Environmental Safeguards

The safeguards for potential visual amenity impacts identified in section 5.8 above will include:

- The work site including the site compound will be kept in an orderly state throughout the period of Proposed Activity.
- The work site and any adjacent areas will be cleared of all materials and refuse on completion of the Proposed Activity.
- The work site will be restored to be as close to the original state as possible on completion of the Proposed Activity.
- Ensure construction lighting, and permanent lighting (if used), does not spill light into adjacent residences.

All visual amenity impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.9 Traffic

Description of existing environment and potential impact	Yes	No
<p>Will the Proposed Activity result in detours or disruptions to traffic flow (vehicular, cycle and pedestrian) or access during construction or operation?</p> <p>All roads to remain open. Possible pedestrian and traffic detours or closures. One lane will always remain open for traffic; pedestrians will be detoured safely around new footpath construction areas.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Will the Proposed Activity result in impacts to any other transport nodes or transport infrastructure (e.g. bus stops, bus routes)?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Is a Road Occupancy Licence Required?</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.9.1 Traffic – Environmental Safeguards

The safeguards for potential traffic impacts identified in section 0 above will include:

- A traffic management plan (TMP) will be completed prior to the commencement of work.
- Works will be coordinated around holiday periods to minimise the disruption to traffic.
- Where possible, current traffic movements are to be maintained during the works. Any disturbance is to be minimised to prevent unnecessary traffic delays.

All traffic impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.10 Air quality

Description of existing environment and potential impact	Yes	No
<p>Is the Proposed Activity likely to result in any emission to air during construction or operation?</p> <p>Dust and fumes will be generated during construction.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.10.1 Air quality – Environmental Safeguards

The safeguards for potential air quality impacts identified in section 0 above will include:

- Regularly water exposed and disturbed areas during dry and windy weather conditions.
- Minimise the extent of disturbed and exposed surfaces and restore as soon as possible.
- Stockpiles or areas that may generate dust are to be managed to suppress dust emissions.

All air quality impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

5.11 Waste

Description of existing environment and potential impact	Yes	No
<p>Is the Proposed Activity likely to generate waste material?</p> <p>All excavated material will be used for back fill and excess material/waste should be disposed to tip as a General Solid Waste.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.11.1 Waste – Environmental Safeguards

The safeguards for potential waste impacts will include:

- Any excess construction or demolition material will be disposed of at an appropriate licensed facility.
- Any excess spoil material that is classified Excavated Public Road Material (EPRM) will be used in accordance with the EPRM Exemption 2014 under the Protection of the Environment Operations (Waste) Regulation 2014.
- For any excess spoil where potentially, contaminating activities have been identified on site this material will be tested and classified prior to leaving site.

All waste impacts identified above will be managed in accordance with the environmental safeguards in Chapter 6.

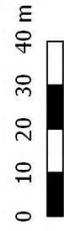
Figure 5-1-1: Native vegetation over site (from NSW Plant Community Type Map, 2023)



Legend

- Subject site
- Stream
- NSW Plant Community Type Map 2023
- Central Hunter Ironbark Grassy Woodland
- Coastal Valleys Swamp Oak Riparian Forest

North



Imagery from nearmap, 29th July, 2023
Projection: GDA 94/MGA zone 56



Note: Cadastre & GPS may be subject to inaccuracy

Figure 5-2: Native vegetation over site (by PEAK LAND MANAGEMENT, 2025)



Legend

- Subject site
- Coastal Valleys Swamp Oak Riparian Forest
- Stream

North



0 10 20 30 40 m



Note: Cadastre & GPS may be subject to inaccuracy

Imagery from nearmap, 29th July, 2025
 Projection: GDA 94/MGA zone 56



Figure 5-3: Flood map (from Cessnock City Council)

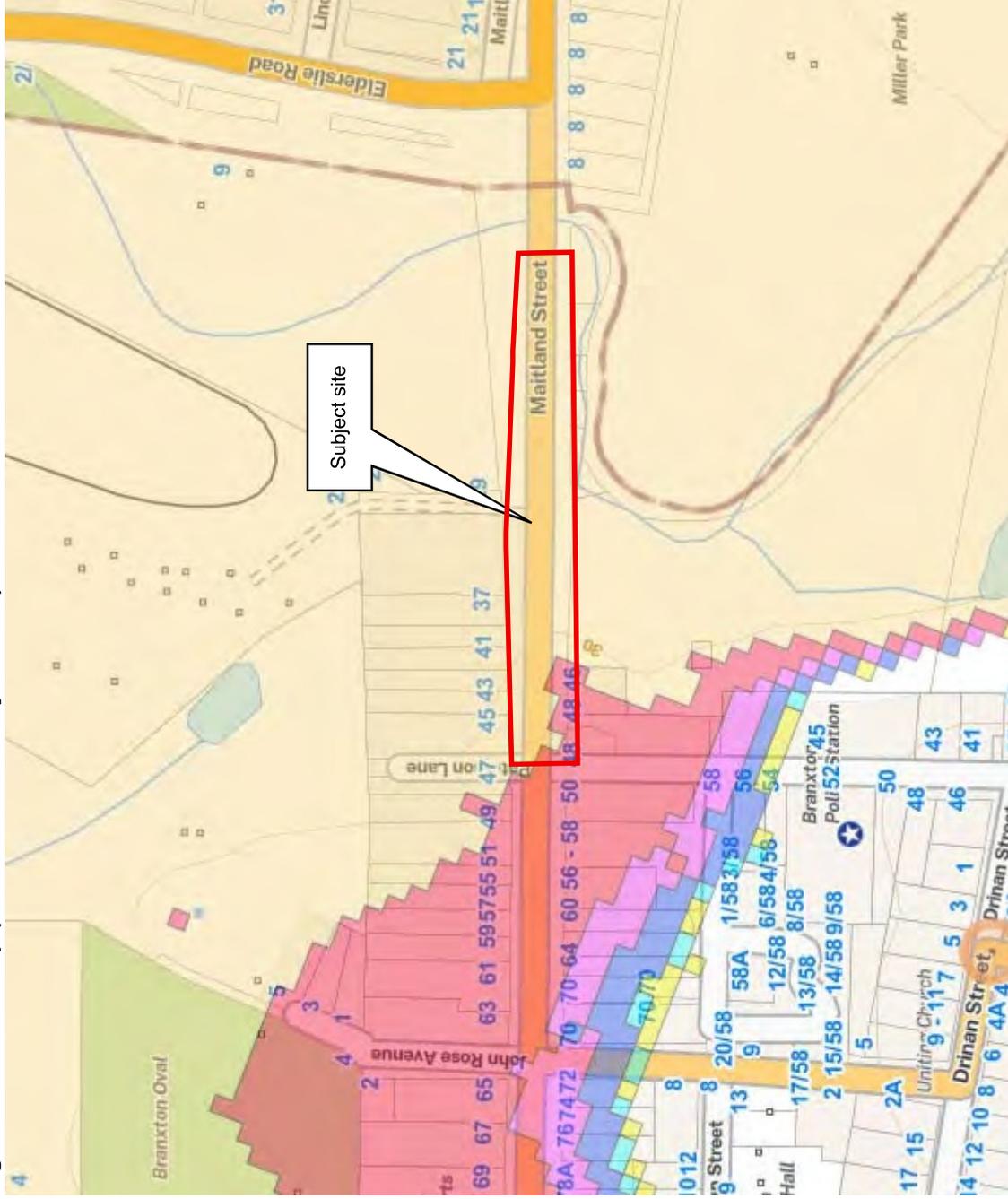
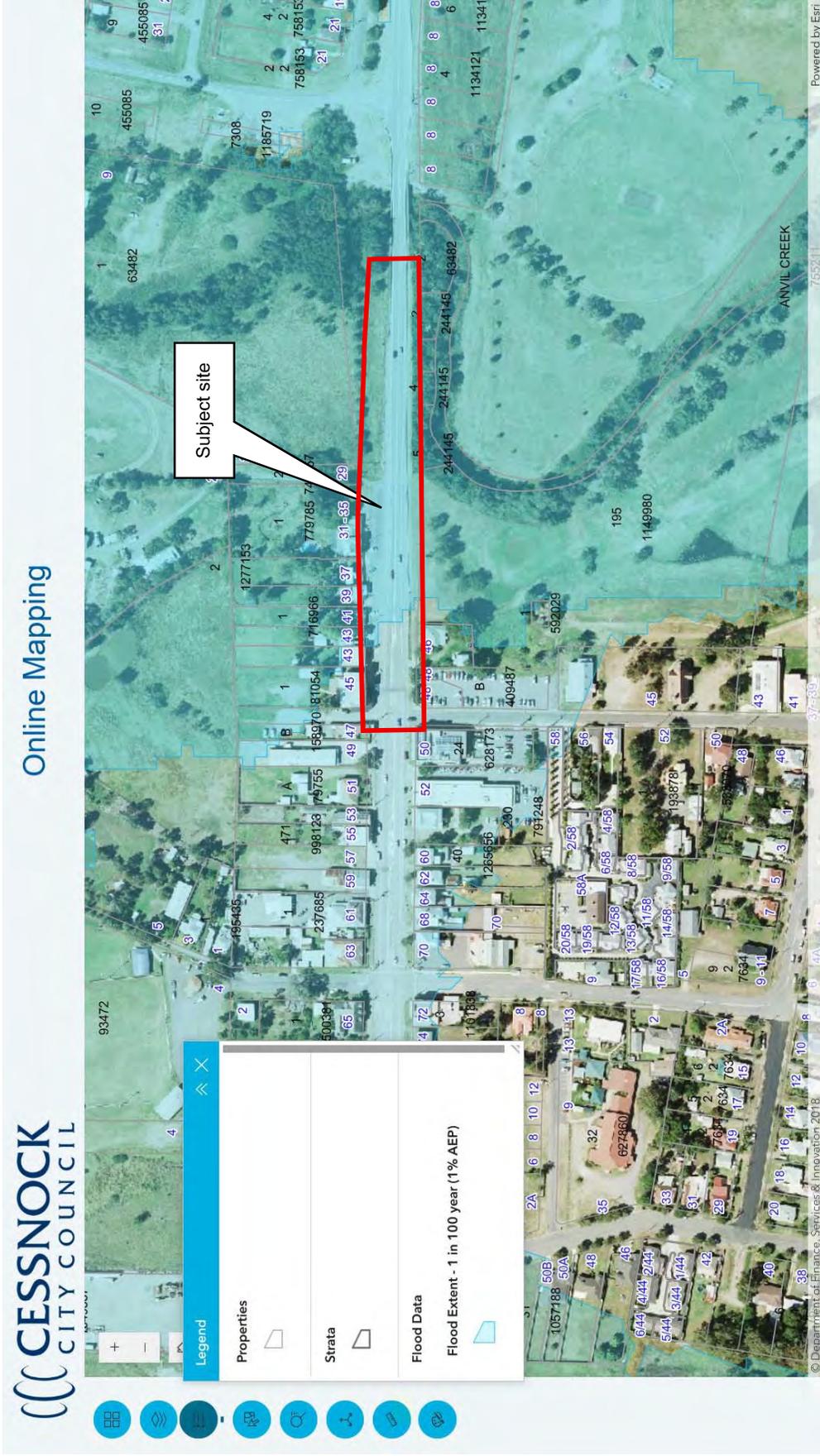


Figure 5-4: Flood map- 1 in 100 year flood extent (from Cessnock City Council)



6 Environmental Safeguards

The environmental safeguards have been developed to address environmental impacts identified in Chapter 5.0. Environmental safeguards are provided in Table 6-1 below.

Table 6-1 Environmental safeguards

Environmental safeguard
General
Environmental safeguards will be provided to relevant staff and contractors and discussed during a project initiation or toolbox prior to beginning work.
A Construction Environmental Management Plan (CEMP) will be prepared for the Proposed Activity prior to starting work. At a minimum, the CEMP will include all environmental safeguards outlined in this Minor Works REF.
Soil
A standard Erosion and Sediment Control Plan to be prepared. This will be completed in accordance with the Blue Book.
Any site works will not commence until a site-specific erosion and sediment control plan which also addresses possible stormwater concrete wash/pollutant has been finalised.
The excavated material will be used for back fill. The excess material should be appropriately assessed, treated and disposed to tip as a General Solid Waste, unless it is contaminated.
If any other unknown contaminated soils are uncovered during the works, all works must cease immediately and notify the Project Manager.
Measures to prevent or minimise any potential fertilizers, pesticides, rubbish, or other pollutants washing off site into Anvil Creek are implemented.
Water
An Erosion and Sediment Control Plan is required for prior to beginning work. This will be completed in accordance with the Blue Book.
Erosion and Sediment control measures will be implemented at any stockpiles and work areas to avoid impacts to waterways via stormwater runoff.
Erosion and sedimentation controls would be checked and maintained on a regular basis and records kept and provided on request.
No release of dirty/polluted water into stormwater channels/culverts/drainage lines and/or waterways.
Erosion and sediment control measures would not to be removed until the works are complete and areas are stabilised.
Ensure project is undertaken in accordance with any relevant water restrictions.

Monitor weather forecasts to avoid work in forecast flood times, and remove all machinery and equipment where feasible from the site during floods. Bund stockpiles (or remove stockpile from flood zone) to prevent erosion/loss of material during floods.

Biodiversity

- All native vegetation/trees (as shown in Figure 5-2) should be retained outside of the nominated development footprint.
- Prior to construction, a Construction Environmental Management Plan is to be developed which includes standard measures:
 - Installation of appropriate delineation to the boundary of the retained vegetation where there is some potential for accidental encroachment. This will include temporary exclusion fencing, with appropriate signage such as 'No Go Zone' or 'Environmental Protection Area'. Identification of any 'No Go Zones' in site inductions for all construction personnel.
 - All material stockpiles, vehicle parking and machinery storage should be located within the compound/stockpile sites where feasible, and not in areas of native vegetation that are to be retained.
 - Sedimentation and erosion control measures including silt fencing, sediment traps, etc. to prevent sediment-laden stormwater exiting the construction areas and to prevent scouring and erosion of land beyond the development footprint.
 - All erosion and sediment control measures are to be constructed and installed in accordance with relevant guidelines, are to be regularly maintained for the duration of the construction period and are to be carefully removed at completion of works.
 - Sediment and erosion control measures should follow recommendations of The Blue Book –Managing Urban Stormwater: Soils and Construction (Landcom 2004).
 - Dust suppression measures to ensure dust deposition beyond the construction area is minimised.
 - Weed and pathogen management including weed hygiene protocols for personnel, machinery and construction materials entering and exiting construction areas to minimise risk of weed and pathogen introduction and spread.
 - Waste management is to ensure food scraps and other organic waste that may attract introduced predators (e.g. fox, cats) or other pests (e.g. rats) is not stored for prolonged periods within the construction site.
 - As far as practicable, all construction activities are to undertaken during daylight hours to minimise noise impacts on people/residents and on fauna utilising adjacent habitats.
 - Where appropriate native vegetation cleared from the subject site should be mulched for re-use on the site, to stabilise bare ground.
 - Security lighting within the construction site is to be minimised and where required, is to be oriented such that light spill beyond the subject site and in to patches of retained vegetation is minimised.
 - Project manager to supervise periodically over the construction timeframe clearing works & ongoing protection of trees to protect environmental values.
 - Project manager to ensure erosion and sediment control structures are maintained and the viability and quality of the protected bushland and other trees retained, and in particular no damage to retained remnant tree root zones.
- No exotic grasses or other exotic plants with weed potential should be introduced to the site.

- No pollutant or other non natural substances allowed to leave site and pollute any offsite creek water system.

Aboriginal heritage

In the event that an unexpected Aboriginal object is identified within the Proposed Activity Site, all activities within 20 metres of the identified Aboriginal object should cease and a suitably qualified archaeologist should be contacted to confirm the validity of the object.

Non-Aboriginal heritage

In the event that unexpected heritage items are discovered, all work in the area of the item shall cease immediately. The Project Manager will engage the Heritage Division, NSW Government and a qualified heritage consultant, in accordance with Section 146 of the Heritage Act.

All on-site personnel are to be made aware of their obligations under the NSW Heritage Act 1977, including the reporting of any archaeological or historic materials, or those suspected to be archaeological or historic. This may be implemented through an on-site induction or other suitable format.

Noise and vibration

All works will be undertaken during standard construction hours (Monday to Friday 7am to 6pm and Saturday 8am to 1pm).

Switch off machinery when it is not in use.

Limit use of any noisy machinery.

Socio-economic

Notification to all affected property owners will be completed seven (7) days prior to works commencing.

Residential properties and commercial premises to be accessible at all times.

Visual amenity

The work site including the site compound will be kept in an orderly state throughout the period of Proposed Activity.

The work site and any adjacent areas will be cleared of all materials and refuse on completion of the Proposed Activity.

The work site will be restored to be as close to the original state as possible on completion of the Proposed Activity.

Ensure construction lighting, and permanent lighting, for the Netball facility & carparking does not spill light into adjacent residences or bushland.

Traffic

A traffic management plan (TMP) will be completed prior to the commencement of work.

Works will be coordinated around holiday periods to minimise the disruption to traffic.

Where possible, current traffic movements are to be maintained during the works. Any disturbance is to be minimised to prevent unnecessary traffic delays.

Air quality

Regularly water exposed and disturbed areas during dry and windy weather conditions.

Minimise the extent of disturbed and exposed surfaces and restore as soon as possible.

Stockpiles or areas that may generate dust are to be managed to suppress dust emissions.

Waste

Any excess construction or demolition material will be disposed of at an appropriate licensed facility.

Any excess spoil material that is classified Excavated Public Road Material (EPRM) will be used in accordance with the EPRM Exemption 2014 under the Protection of the Environment Operations (Waste) Regulation 2014.

For any excess spoil where potentially, contaminating activities have been identified on site this material will be tested and classified prior to leaving site.

Any excess construction or demolition material will be disposed of at an appropriate licensed facility.

7 Licensing, approvals and permits

The list of required licences, approvals and permits is provided in Table 7-1.

Table 7-1 Licensing, approvals and permits required

Instrument	Requirement	Timing
MWREF	Approved by Cessnock City Council General Manager	Approved prior to any works commencing

8 Consideration of state and commonwealth environmental factors

8.1 Environmental Planning and Assessment Regulation 2000 checklist

The following factors listed in clause 228(2) of the EP&A Regulation, have also been considered to assess the likely impacts of the Proposed Activity on the environment. These are provided in Table 8-1. These considerations are required to comply with sections 5.5 and 5.7 of the EP&A Act.

Table 8-1 Clause 228 factors addressed

Environmental Factor	Impact
Any environmental impact on a community	Neutral
Any transformation of a locality	Positive
Any environmental impact on the ecosystem of the locality	Neutral
Any reduction of the aesthetic, recreational, scientific or other environmental quality or value of a locality	Positive
Any effect on a locality, place or building having aesthetic, anthropological, architectural, cultural, historical, scientific or social significant or other special value present or future operations	Neutral
Any impact on the habitat of any protected fauna (within the meaning of the EPBC Act)	Neutral
Any endangering of any species of animal, plant or other life forms, whether living on the land or in the water or in the air.	Neutral
Any long-term effects on the environment	Neutral
Any degradation of the quality of the environment	Neutral
Any risk to the safety of the environment	Neutral
Any reduction in the range of beneficial uses of the environment	Positive
Any environmental problems associated with the disposal of waste	Neutral
Any increased demands on resources (natural or otherwise) that are, or likely to become, in short supply	Neutral
Any cumulative environmental effect with other existing or likely future activities	Neutral
Any impact on coastal processes and coastal hazards, including those under projected climate change conditions	Neutral

8.2 Matters of national environmental significance checklist

Under Chapter 2, Part 3 of the EPBC Act, the following MNES are required to be considered to:

- Assist in determining whether the Proposed Activity should be referred to the DoAWE and,
- For nationally listed threatened species, ecological communities and migratory species, whether the impacts are significant and should be assessed via an EIS).

Table 8-2 Matters of national environmental significance

Environmental Factor	Impact
Any impact on a World Heritage property?	No
Any impact on a National Heritage place?	No
Any impact on a wetland of international importance (often called 'Ramsar' wetlands)?	No
Any impact on nationally threatened species, ecological communities or migratory species?	No
Any impact on a Commonwealth marine area?	No
Does the Proposed Activity involve a nuclear action (including uranium mining)?	No
Additionally, any impact (direct or indirect) on the environment of Commonwealth land?	No
Any impact on a water resource, in relation to coal seam gas development and large coal mining development?	No

9 Conclusion

Cessnock City Council will undertake the Activity so as to meet the following outcome:

The Branxton Town Centre Project - Church Street to Anvil Creek Bridge upgrade includes:

- New, accessible footpaths
- Rationalised parking arrangements
- Improved drainage infrastructure
- A pedestrian crossing with raised safety platforms
- Tree planting and landscaping enhancements

These improvements will make the town centre safer, greener, and more connected for residents, businesses, and visitors alike.

The Proposed Activity will result in minimal adverse impacts upon the environment as described in this Minor Works REF, and an overall positive impact from provision of a safer town centre, greener, and more connected for residents, businesses, and visitors alike.

Environmental safeguards provided in this Minor Works REF would ameliorate or minimise these expected impacts.

This Minor Works REF has examined and considered all relevant location, state and commonwealth legislation and policies, and all matters affecting and likely to affect the environment as a result of the Proposed Activity.

This Minor Works REF has been prepared in accordance with section 5.5 of the EP&A Act. It has concluded that the Proposed Activity is unlikely to have a significant impact on the environment, therefore an environmental impact statement under section 5.7 of the EP&A Act is not required.

This Minor Works REF has considered whether there is likely to be a significant impact on State listed threatened species, ecological communities and their habitats and concluded that a significant impact is not likely.

In addition, the Proposed Activity is unlikely to have a significant impact on MNES or Commonwealth land within the meaning of the EPBC Act, therefore a referral to the DoAWE is not required.

Terms and acronyms used in this document

Term / Acronym	Description
AHIMS	Aboriginal Heritage Information Management System
BC Act	<i>Biodiversity Conservation Act 2016 (NSW)</i>
CEEC	Critically endangered ecological community
CEMP	Construction environmental management plan
CM Act	Coastal Management Act 2016 (NSW)
DoAWE	Australian Government Department of Agriculture, Water and the Environment
DPIE	NSW Department of Planning, Industry and Environment
EEC	Endangered ecological community
EIA	Environmental impact assessment
EIS	Environmental impact statement
EP&A Act	<i>Environmental Planning and Assessment Act 1979 (NSW)</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
EPA	Environment Protection Authority
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999 (Commonwealth)</i>
EPL	Environmental protection license
FM Act	<i>Fisheries Management Act 1994 (NSW)</i>
Heritage Act	<i>Heritage Act 1977 (NSW)</i>
ICGN	Interim Construction Noise Guidelines (DECC, 2009)
ISEPP	State Environmental Planning Policy (Infrastructure) 2007
LEP	Local Environmental Plan. A type of planning instrument made under Part 3 of the EP&A Act.
LGA	Local government area
Minor Works REF	Minor Works Review of Environmental Factors
MNES	Matters of national environmental significance
NP&W Act	<i>National Parks and Wildlife Act 1974 (NSW)</i>
PCT	Plant community type

Term / Acronym	Description
PMST	Protected matters search tool
POEO Act	<i>Protection of the Environment Operations Act 1997 (NSW)</i>
Proposed Activity	The physical works taking place
Proposed Activity Site	The footprint of the Proposed Activity
SEPP	State Environmental Planning Policy
SIS	Species impact statement
TEC	Threatened ecological community
The Minister	Australian Government Minister for the Environment

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Websites

The following legal acts and legislation were accessed on multiple occasions throughout the development of the document through the Australasian Legal Information Institute (<http://www.austlii.edu.au/>):

Environment Protection and Biodiversity Conservation Act 1999

Biodiversity Conservation Act 2016 & Regulations, 2017

Fisheries Management Act 1994, & Fisheries Management Amendment Act 1997

Environmental Planning and Assessment Act (1979)

Water Management Act, 2000.

Contaminated Lands Management Act 1997.

SEPP (Infrastructure)

SEPP (Infrastructure) Consultation of Roads and Maritime Projects guidance note.

SEPP (Infrastructure)- Explanatory Note.

State Environmental Planning Policy 55

State Environmental Planning Policy (Coastal Management) 2018
State Environmental Planning Policy (Koala Habitat Protection) 2019.
National Parks and Wildlife Act 1974

Other Websites

<http://plantnet.rbgsyd.nsw.gov.au/search/simple.htm>
<http://imagery.maps.nsw.gov.au/>
Google Earth and Maps
<http://www.environment.nsw.gov.au>
<http://www.threatenedspecies.environment.nsw.gov.au/tsprofile/profile.aspx?id=10604>
<http://www.bionet.nsw.gov.au/>
www.deh.gov.au
<http://www.environment.gov.au/epbc/pmst/index.html>- & Protected Matters Search
<http://maps.six.nsw.gov.au/>
www.rms.nsw.gov.au
www.heritage.nsw.gov.au

APPENDIX A: PHOTOS OF SITE

Eastern end of proposed pathway looking east. No impact over any native vegetation.



Looking west over existing pathway towards Branxton



Looking north-west towards Branxton Inn, a listed heritage item unaffected by the works.





Looking south-west towards Federal Hotel/western extent of works



Looking north -east over Commercial Hotel, a listed heritage item, unaffected by the works.



Looking east over site.





Looking south showing site.



Looking east over site



APPENDIX B: ABORIGINAL DUE DILIGENCE SEARCH RESULTS (AHIMS)



Your Ref/PO Number : Branxton

Client Service ID : 1043390

PEAK LAND MANAGEMENT PTY LTD
 PO BOX 3083
 MEREWETHER New South Wales 2291
 Attention: Ted Smith
 Email: ted@peaklandmanagement.com

Date: 12 September 2025

Dear Sir or Madam:

AHIMS Web Service search for the following area at Lat. Long From : -32.6569, 151.3528 - Lat. Long To : -32.6552, 151.3567, conducted by Ted Smith on 12 September 2025.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

0	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location.*

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette](https://www.legislation.nsw.gov.au/gazette) (<https://www.legislation.nsw.gov.au/gazette>) website. Gazettal notices published prior to 2001 can be obtained from Heritage NSW upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Heritage NSW and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

APPENDIX C: FLORA & FAUNA SURVEY RESULTS

Native vegetation over or near site:

Scientific Name	Common Name	Transect pathway
Trees:		
<i>Casuarina glauca</i>	Swamp Oak	X (not impacted)
Midstorey:		
Shrubs and understorey:		
Grasses		
<i>Cynodon dactylon</i>	Couch	x
Ferns:		
Sedges and water plants:		
Vines and scramblers:		
Orchids/epiphytes:		
Weeds		
<i>Arctotheca calendula</i>	Capeweed	x
<i>Aster subulatus</i>	Bushy Starwort	x
<i>Bidens pilosa</i>	Cobblers Pegs	x
<i>Cenchrus clandestinus</i>	Kikuyu	x
<i>Chloris gayana</i>	Rhodes Grass	x
<i>Conyza bonariensis</i>	Flax leaved fleabane	x
<i>Eragrostis curvula</i>	African Lovegrass	x
<i>Gnaphalium sphaericum</i>	Common cudweed	x
<i>Gomphrena celosioides</i>	Gomphrena Weed	x
<i>Heliotropium amplexicaule</i>	Blue Heliotrope	x
<i>Hypochoeris radicata</i>	Flatweed	x
<i>Melinis repens</i>	Red Natal Grass	x
<i>Modiola caroliniana</i>	Red Mallow	x
<i>Panicum maximum var. maximum</i>	Guinea Grass	x
<i>Plantago lanceolata</i>	Lambs tongue	x
<i>Richardia humistrata</i>		x
<i>(P) Salix spp</i>	Willow	x
<i>(P) Senecio madagascariensis</i>	Fireweed	x
<i>Sida rhombifolia</i>	Paddy's lucerne	x
<i>Taraxacum officinale</i>	Dandelion	x
<i>Trifolium repens</i>	White clover	x
<i>Verbena bonariensis</i>	Purple top	x
Native species total:		
	2	
Weed species total:		
	22	
TOTAL PLANTS:		
	24	

# Threatened species	0	
Priority weed (P) NSW DPI Class for Cessnock LGA	3	

FAUNA

COMMON NAME	
The following birds were observed, or heard either on or near the subject site, including flying overhead (common bird names from Pizzey & Knight, 1997):	
Willie Wagtail	Rainbow Lorikeet
Currawong	Australian Raven
Eastern Rosella	Crested Pigeon
Pied Butcher bird	Kookaburra
Magpie	Plover/Masked Lapwing
Noisy Miner	Galah
Black Kite	Pee Wee
Blue Faced Honeyeater	
Other fauna observed, or heard from calls/scats/footprints/scratch marks were:	
Grey Kangaroo	
# Threatened spp listed under EPBC Act	
+ Threatened spp listed under BC Act	
* Exotic species	

APPENDIX D: THREATENED FLORA & FAUNA SPECIES SEARCH RESULT (within 10km of site – NSW BC Act & National EPBC Act Species – from NSW Bionet Wildlife Atlas).

Note: Only some species with records in this 100km² area have been shown below. Other unrecorded threatened species may be present.

The screenshot displays the NSW Bionet Wildlife Atlas interface. On the left, a 'Layers' panel lists several species with checkboxes and colored markers:

- Giant Burrowing Frog (*Heleioporus australiacus*)
- Swift Parrot (*Lathamus discolor*)
- Squirrel Glider (*Petaurus norfolcensis*)
- Slaty Red Gum (*Eucalyptus glauca*)
- ^A*Cymbidium canaliculatum* population in the Hunter Catchment

The map on the right shows the Branxton area, with a yellow line indicating the 'Subject site'. The map includes labels for 'BRANXTON' and 'EAST-BRANXTON'. A callout box points to the 'Subject site' on the map. The interface also features a 'Print' button at the bottom.

Data from the BioNet Atlas website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (^ rounded to 0.1°C; ^^ rounded to 0.01°C. Copyright the State of NSW through the Department of Planning, Industry and Environment. Search criteria : Public Report of all Valid Records of Threatened (listed on BC Act 2016) or Commonwealth listed Entities in selected area [North: -32.61 West: 151.30 East: 151.40 South: -32.71] recorded since 22 May 1990 until 12 Sep 2025 returned a total of 2,871 records of 36 species.

Report generated on 12/09/2025 8:09 AM

Kingdom	Class	Family	Species Code	Scientific Name	Exotic	Common Name	NSW status	Comm. status	Records	Info
Animalia	Amphibia	Limnodynastidae	3042	<i>Heleioporus australiacus</i>		Giant Burrowing Frog	V,P	V	1	
Animalia	Aves	Apodidae	0334	<i>Hirundapus caudacutus</i>		White-throated Needletail	V,P	V,C,J,K	2	
Animalia	Aves	Accipitridae	0225	<i>Hieraetus morphnoides</i>		Little Eagle	V,P		1	
Animalia	Aves	Accipitridae	0230	^^ <i>Lophoictinia isura</i>		Square-tailed Kite	V,P,3		1	
Animalia	Aves	Falconidae	0238	<i>Falco subniger</i>		Black Falcon	V,P		1	
Animalia	Aves	Cacatuidae	8862	^ <i>Calyptorhynchus lathamii lathamii</i>		South-eastern Glossy Black-Cockatoo	V,P,2	V	3	
Animalia	Aves	Psittacidae	0309	<i>Lathamus discolor</i>		Swift Parrot	E1,P	CE	50	
Animalia	Aves	Psittacidae	0260	<i>Parvipsitta pusilla</i>		Little Lorikeet	V,P		5	
Animalia	Aves	Strigidae	0248	^^ <i>Ninox strenua</i>		Powerful Owl	V,P,3		1	
Animalia	Aves	Climacteridae	8127	<i>Climacteris picumnus victoriae</i>		Brown Treecreeper (eastern subspecies)	V,P	V	1	

Animalia	Aves	Acanthizidae	0504	<i>Pyrrholaemus sagittatus</i>	Speckled Warbler	V,P	10	
Animalia	Aves	Meliphagidae	8303	<i>Meliphreptus gularis gularis</i>	Black-chinned Honeyeater (eastern subspecies)	V,P	1	
Animalia	Aves	Pomatostomidae	8388	<i>Pomatostomus temporalis temporalis</i>	Grey-crowned Babbler (eastern subspecies)	V,P	54	
Animalia	Aves	Neosittidae	0549	<i>Daphoenositta chrysoptera</i>	Varied Sittella	V,P	10	
Animalia	Aves	Artamidae	8519	<i>Artamus cyanopterus cyanopterus</i>	Dusky Woodswallow	V,P	1	
Animalia	Aves	Petroicidae	0380	<i>Petroica boodang</i>	Scarlet Robin	V,P	2	
Animalia	Mammalia	Dasyuridae	1008	<i>Dasyurus maculatus</i>	Spotted-tailed Quoll	V,P	E 4	
Animalia	Mammalia	Phascolarctidae	1162	<i>Phascolarctos cinereus</i>	Koala	E1,P	E 1	
Animalia	Mammalia	Petauridae	1137	<i>Petaurus norfolcensis</i>	Squirrel Glider	V,P	21	
Animalia	Mammalia	Pteropodidae	1280	<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	V,P	V 27	
Animalia	Mammalia	Emballonuridae	1321	<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tail-bat	V,P	2	

Animalia	Mammalia	Molossidae	1329	<i>Micronomus norfolkensis</i>	Eastern Coastal Free-tailed Bat	V,P	18	
Animalia	Mammalia	Vespertilionidae	1353	<i>Chalinolobus dwyeri</i>	Large-eared Pied Bat	E1,P	1	
Animalia	Mammalia	Vespertilionidae	1357	<i>Myotis macropus</i>	Southern Myotis	V,P	5	
Animalia	Mammalia	Vespertilionidae	1361	<i>Scoteanax rueppellii</i>	Greater Broad-nosed Bat	V,P	8	
Animalia	Mammalia	Vespertilionidae	1025	<i>Vespadelus troughtoni</i>	Eastern Cave Bat	V,P	1	
Animalia	Mammalia	Miniopteridae	1346	<i>Miniopterus australis</i>	Little Bent-winged Bat	V,P	15	
Animalia	Mammalia	Miniopteridae	3330	<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat	V,P	29	
Plantae	Flora	Fabaceae (Mimosoideae)	3728	<i>Acacia bynoeana</i>	Bynoe's Wattle	E1	2	
Plantae	Flora	Myrtaceae	4096	<i>Eucalyptus glaucina</i>	Slaty Red Gum	V	8	
Plantae	Flora	Myrtaceae	9163	<i>Eucalyptus parramattensis subsp. decadens</i>		V	3	

Plantae	Flora	Orchidaceae	6399	[^] <i>Cymbidium canaliculatum</i>	Cymbidium canaliculatum population in the Hunter Catchment	E2,P,2	1	
Plantae	Flora	Orchidaceae	4457	[^] <i>Diuris tricolor</i>	Pine Donkey Orchid	V,P,2	1	
Plantae	Flora	Orchidaceae	6536	[^] <i>Pterostylis chaetophora</i>		V,P,2	16	
Plantae	Flora	Proteaceae	5446	<i>Macadamia tetraphylla</i>	Rough-shelled Bush Nut	V	1	
Plantae	Flora	Proteaceae	10723	^{^^} <i>Persoonia pauciflora</i>	North Rothbury Persoonia	E4A,P,3	2563	

**APPENDIX E: HERITAGE NOW, SEPT 2025.
STATEMENT OF HERITAGE IMPACT–
BRANXTON ROADWORKS NEW ENGLAND
HIGHWAY**

APPENDIX F: – BRANXTON ROADWORKS PLANS (AL CIVIL DESIGN, AUGUST 2025)

Selected pages of plan set shown only

CESSNOCK CITY COUNCIL BRANXTON BUTIFICATION NEW ENGLAND HIGHWAY, BRANXTON CHURCH ST TO ANVIL CREEK BRIDGE

Sheet Number	Sheet Title	Revision
01	C01 - COVER SHEET	G
02	C02 - OVERALL PLAN	G
03	C03 - TYPICAL SECTIONS SHEET 01 OF 02	G
04	C03 - TYPICAL SECTIONS SHEET 02 OF 02	G
05	C04 - NEW ENGLAND HIGHWAY PLAN SHEET 01 OF 03	G
06	C04 - NEW ENGLAND HIGHWAY PLAN SHEET 02 OF 03	G
07	C04 - NEW ENGLAND HIGHWAY PLAN SHEET 03 OF 03	G
08	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 01 OF 18	G
09	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 02 OF 18	G
10	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 03 OF 18	G
11	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 04 OF 18	G
12	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 05 OF 18	G
13	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 06 OF 18	G
14	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 07 OF 18	G
15	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 08 OF 18	G
16	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 09 OF 18	G
17	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 10 OF 18	G
18	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 11 OF 18	G
19	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 12 OF 18	G
20	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 13 OF 18	G
21	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 14 OF 18	G
22	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 15 OF 18	G
23	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 16 OF 18	G
24	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 17 OF 18	G
25	C05 - NEW ENGLAND HIGHWAY CROSS SECTIONS SHEET 18 OF 18	G
26	C07 - DRAINAGE LINE 1	G
27	C07 - DRAINAGE LINE 2	G
28	C09 - FOOTPATH PLAN SHEET 01 OF 03	G
29	C09 - FOOTPATH PLAN SHEET 02 OF 03	G
30	C09 - FOOTPATH PLAN SHEET 03 OF 03	G
31	C10 - SIGNAGE & LINEMARKING PLAN 01 OF 07	G
32	C10 - SIGNAGE & LINEMARKING PLAN 02 OF 07	G
33	C10 - SIGNAGE & LINEMARKING PLAN 03 OF 07	G
34	C10 - SIGNAGE & LINEMARKING PLAN 04 OF 07	G
35	C10 - SIGNAGE & LINEMARKING PLAN 05 OF 07	G
36	C10 - SIGNAGE & LINEMARKING PLAN 06 OF 07	G
37	C10 - SIGNAGE & LINEMARKING PLAN 07 OF 07	G



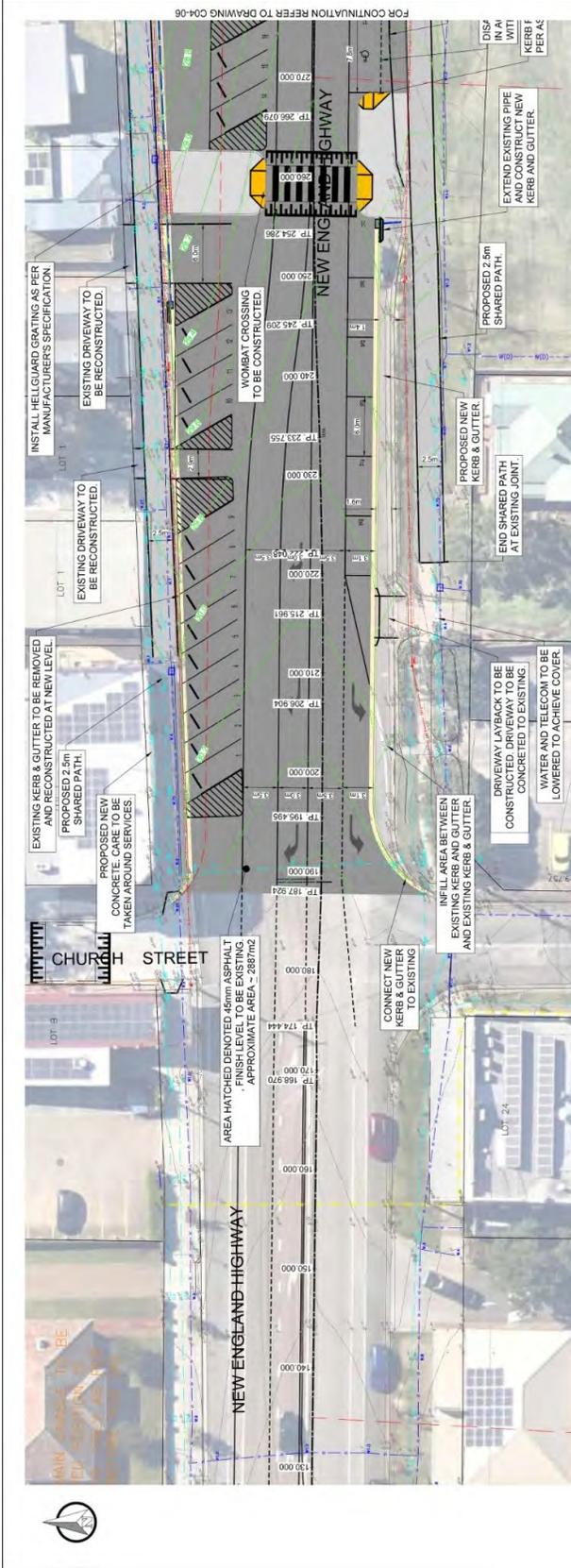
LOCALITY SKETCH
Not to Scale

AL CIVIL DESIGN
AL CIVIL DESIGN
1000 DUNDAS ST. WEST
TORONTO, ONTARIO M6H 1C5

REVISION NUMBER: G
DATE: 10.01.23
DRAWING NUMBER: C01-01
PROJECT NUMBER: AL22070

PRELIMINARY

E:\CONSERVE - AL CIVIL DESIGN\JOB\AL22070 - BRANXTON BEAUTIFICATION EC004 CIVIL DRAFTING\01 - COVER SHEET AND CONSTRUCTION NOTES\031.DWG



FOR CONTINUATION REFER TO DRAWING C04-05

DISA IN AI KERB & GUTTER REVS

EXTEND EXISTING PIPE AND CONSTRUCT NEW KERB & GUTTER

PROPOSED 2.5m SHARED PATH

PROPOSED NEW KERB & GUTTER

END SHARED PATH AT EXISTING JOINT

CONCRETE CARE TO BE TAKEN AROUND SERVICES

PROPOSED 2.5m SHARED PATH

EXISTING DRIVEWAY TO BE RECONSTRUCTED

EXISTING DRIVEWAY TO BE RECONSTRUCTED

INSTALL HELI GUARD GRATING AS PER MANUFACTURER'S SPECIFICATION

WOMBAT CROSSING TO BE CONSTRUCTED

NEW ENGLAND HIGHWAY

CHURCH STREET

AREA HATCHED DENOTES 60mm ASPHALT FINISH LEVEL TO BE EXISTING APPROXIMATE AREA - 2897m²

CONNECT NEW KERB & GUTTER TO EXISTING

INFILL AREA BETWEEN EXISTING KERB AND GUTTER AND EXISTING KERB & GUTTER

BRIDGEWAY BACK TO BE CONSTRUCTED DRIVEWAY TO BE CONCRETE TO EXISTING

WATER AND TELECOM TO BE LOWERED TO ACHIEVE COVER

SITE PLAN SCALE 1:200

ROAD No	CH	STATION	VERT. CURVE	GRADIENT	CHANGING
140	0.00	140.00	1.15%	0.00%	140.00
140	0.00	141.00	1.15%	0.00%	141.00
140	0.00	142.00	1.15%	0.00%	142.00
140	0.00	143.00	1.15%	0.00%	143.00
140	0.00	144.00	1.15%	0.00%	144.00
140	0.00	145.00	1.15%	0.00%	145.00
140	0.00	146.00	1.15%	0.00%	146.00
140	0.00	147.00	1.15%	0.00%	147.00
140	0.00	148.00	1.15%	0.00%	148.00
140	0.00	149.00	1.15%	0.00%	149.00
140	0.00	150.00	1.15%	0.00%	150.00
140	0.00	151.00	1.15%	0.00%	151.00
140	0.00	152.00	1.15%	0.00%	152.00
140	0.00	153.00	1.15%	0.00%	153.00
140	0.00	154.00	1.15%	0.00%	154.00
140	0.00	155.00	1.15%	0.00%	155.00
140	0.00	156.00	1.15%	0.00%	156.00
140	0.00	157.00	1.15%	0.00%	157.00
140	0.00	158.00	1.15%	0.00%	158.00
140	0.00	159.00	1.15%	0.00%	159.00
140	0.00	160.00	1.15%	0.00%	160.00
140	0.00	161.00	1.15%	0.00%	161.00
140	0.00	162.00	1.15%	0.00%	162.00
140	0.00	163.00	1.15%	0.00%	163.00
140	0.00	164.00	1.15%	0.00%	164.00
140	0.00	165.00	1.15%	0.00%	165.00
140	0.00	166.00	1.15%	0.00%	166.00
140	0.00	167.00	1.15%	0.00%	167.00
140	0.00	168.00	1.15%	0.00%	168.00
140	0.00	169.00	1.15%	0.00%	169.00
140	0.00	170.00	1.15%	0.00%	170.00
140	0.00	171.00	1.15%	0.00%	171.00
140	0.00	172.00	1.15%	0.00%	172.00
140	0.00	173.00	1.15%	0.00%	173.00
140	0.00	174.00	1.15%	0.00%	174.00
140	0.00	175.00	1.15%	0.00%	175.00
140	0.00	176.00	1.15%	0.00%	176.00
140	0.00	177.00	1.15%	0.00%	177.00
140	0.00	178.00	1.15%	0.00%	178.00
140	0.00	179.00	1.15%	0.00%	179.00
140	0.00	180.00	1.15%	0.00%	180.00
140	0.00	181.00	1.15%	0.00%	181.00
140	0.00	182.00	1.15%	0.00%	182.00
140	0.00	183.00	1.15%	0.00%	183.00
140	0.00	184.00	1.15%	0.00%	184.00
140	0.00	185.00	1.15%	0.00%	185.00
140	0.00	186.00	1.15%	0.00%	186.00
140	0.00	187.00	1.15%	0.00%	187.00
140	0.00	188.00	1.15%	0.00%	188.00
140	0.00	189.00	1.15%	0.00%	189.00
140	0.00	190.00	1.15%	0.00%	190.00
140	0.00	191.00	1.15%	0.00%	191.00
140	0.00	192.00	1.15%	0.00%	192.00
140	0.00	193.00	1.15%	0.00%	193.00
140	0.00	194.00	1.15%	0.00%	194.00
140	0.00	195.00	1.15%	0.00%	195.00
140	0.00	196.00	1.15%	0.00%	196.00
140	0.00	197.00	1.15%	0.00%	197.00
140	0.00	198.00	1.15%	0.00%	198.00
140	0.00	199.00	1.15%	0.00%	199.00
140	0.00	200.00	1.15%	0.00%	200.00
140	0.00	201.00	1.15%	0.00%	201.00
140	0.00	202.00	1.15%	0.00%	202.00
140	0.00	203.00	1.15%	0.00%	203.00
140	0.00	204.00	1.15%	0.00%	204.00
140	0.00	205.00	1.15%	0.00%	205.00
140	0.00	206.00	1.15%	0.00%	206.00
140	0.00	207.00	1.15%	0.00%	207.00
140	0.00	208.00	1.15%	0.00%	208.00
140	0.00	209.00	1.15%	0.00%	209.00
140	0.00	210.00	1.15%	0.00%	210.00
140	0.00	211.00	1.15%	0.00%	211.00
140	0.00	212.00	1.15%	0.00%	212.00
140	0.00	213.00	1.15%	0.00%	213.00
140	0.00	214.00	1.15%	0.00%	214.00
140	0.00	215.00	1.15%	0.00%	215.00
140	0.00	216.00	1.15%	0.00%	216.00
140	0.00	217.00	1.15%	0.00%	217.00
140	0.00	218.00	1.15%	0.00%	218.00
140	0.00	219.00	1.15%	0.00%	219.00
140	0.00	220.00	1.15%	0.00%	220.00
140	0.00	221.00	1.15%	0.00%	221.00
140	0.00	222.00	1.15%	0.00%	222.00
140	0.00	223.00	1.15%	0.00%	223.00
140	0.00	224.00	1.15%	0.00%	224.00
140	0.00	225.00	1.15%	0.00%	225.00
140	0.00	226.00	1.15%	0.00%	226.00
140	0.00	227.00	1.15%	0.00%	227.00
140	0.00	228.00	1.15%	0.00%	228.00
140	0.00	229.00	1.15%	0.00%	229.00
140	0.00	230.00	1.15%	0.00%	230.00
140	0.00	231.00	1.15%	0.00%	231.00
140	0.00	232.00	1.15%	0.00%	232.00
140	0.00	233.00	1.15%	0.00%	233.00
140	0.00	234.00	1.15%	0.00%	234.00
140	0.00	235.00	1.15%	0.00%	235.00
140	0.00	236.00	1.15%	0.00%	236.00
140	0.00	237.00	1.15%	0.00%	237.00
140	0.00	238.00	1.15%	0.00%	238.00
140	0.00	239.00	1.15%	0.00%	239.00
140	0.00	240.00	1.15%	0.00%	240.00
140	0.00	241.00	1.15%	0.00%	241.00
140	0.00	242.00	1.15%	0.00%	242.00
140	0.00	243.00	1.15%	0.00%	243.00
140	0.00	244.00	1.15%	0.00%	244.00
140	0.00	245.00	1.15%	0.00%	245.00
140	0.00	246.00	1.15%	0.00%	246.00
140	0.00	247.00	1.15%	0.00%	247.00
140	0.00	248.00	1.15%	0.00%	248.00
140	0.00	249.00	1.15%	0.00%	249.00
140	0.00	250.00	1.15%	0.00%	250.00
140	0.00	251.00	1.15%	0.00%	251.00
140	0.00	252.00	1.15%	0.00%	252.00
140	0.00	253.00	1.15%	0.00%	253.00
140	0.00	254.00	1.15%	0.00%	254.00
140	0.00	255.00	1.15%	0.00%	255.00
140	0.00	256.00	1.15%	0.00%	256.00
140	0.00	257.00	1.15%	0.00%	257.00
140	0.00	258.00	1.15%	0.00%	258.00
140	0.00	259.00	1.15%	0.00%	259.00
140	0.00	260.00	1.15%	0.00%	260.00
140	0.00	261.00	1.15%	0.00%	261.00
140	0.00	262.00	1.15%	0.00%	262.00
140	0.00	263.00	1.15%	0.00%	263.00
140	0.00	264.00	1.15%	0.00%	264.00
140	0.00	265.00	1.15%	0.00%	265.00
140	0.00	266.00	1.15%	0.00%	266.00
140	0.00	267.00	1.15%	0.00%	267.00
140	0.00	268.00	1.15%	0.00%	268.00
140	0.00	269.00	1.15%	0.00%	269.00
140	0.00	270.00	1.15%	0.00%	270.00

ROAD No. Ch 135.000 to Ch 270.000
H=1:200 V=1:40

BEFORE YOU DIG
www.beforeyoudig.com.au
Zero Damage - Zero Harm

REVISION: G

PROJECT: BRANXTON BUTTIFICATION
NEW ENGLAND HIGHWAY BRANXTON CHURCH ST TO ANVIL CREEK BRIDGE

CLIENT: CESSNOCK CITY COUNCIL

DESIGN: MAM
DRAWN: MAM
CHECKED: MAM

DATE: 18.01.23

SCALE: 1:200 (H) 1:40 (V)

LONGITUDINAL SECTION CROSS SECTION
HORZ. NA. VERT. NA.

SHEET 05 OF 37 SHEETS

ENGINEER - AL CIVIL DESIGN/AL22070 - BRANXTON BUTTIFICATION (GCC34 - CIVIL/DRAFTING/CM - DETAIL PLAN AND LONGITUDINAL SECTION/CM) (MVO)

FOR CONTINUATION REFER TO DRAWING C04-05



FOR CONTINUATION REFER TO DRAWING C04-06

SITE PLAN
SCALE 1:200

DEPTH	DESIGN	EXISTING	CHAINAGE
RL 405.950			
410.000	28.79	28.70	+0.000
412.832	28.79	28.782	+0.000
415.000	28.79	28.787	+0.000
420.000	28.80	28.787	+0.000
424.956	28.81	28.808	+0.000
430.000	28.81	28.815	+0.000
430.000	28.82	28.822	+0.000
439.493	28.83	28.828	+0.000
440.000	28.83	28.828	+0.000
445.000	28.82	28.825	+0.000
450.000	28.82	28.822	+0.000
451.919	28.82	28.820	+0.000
455.000	28.81	28.812	+0.000
460.000	28.80	28.799	+0.000
464.105	28.79	28.789	+0.000
470.000	28.80	28.798	+0.000
475.000	28.81	28.805	+0.000
480.000	28.82	28.814	+0.000
480.718	28.82	28.815	+0.000

ROAD No. CH 405.000 TO CH 480.718
1:1200 V=1:40



REV	REVISION DETAILS	ISSUED BY	DATE
D	DETAILED DESIGN ISSUE	M.M	15.09.25
E	PROVISIONAL DESIGN ISSUE	M.M	09.04.25
F	PROVISIONAL DESIGN ISSUE	M.M	17.02.25
D	PRELIMINARY ISSUE	M.M	17.02.25
E	PROVISIONAL DESIGN ISSUE	M.M	10.02.24
A	PRELIMINARY ISSUE	M.M	10.01.23
B	PRELIMINARY ISSUE	M.M	09.05.19



DISCLAIMER
The Client has approved the design for the proposed works. The design is for information only and does not constitute a contract. The Client is responsible for the design and construction of the proposed works. The design is for information only and does not constitute a contract. The Client is responsible for the design and construction of the proposed works.

REVISION	DATE	BY
G	15.09.25	M.M

CLIENT: CESSNOCK CITY COUNCIL
PROJECT: BRANXTON BUTIFICATION
NEW ENGLAND HIGHWAY - BRANXTON
CHURCH ST TO ANVIL CREEK BRIDGE
NEW ENGLAND HIGHWAY PLAN SHEET 03 OF 03

PROJECT No: AL22070
DRAWING No: C04-07
SHEET 07 OF 37 SHEETS

REVISION: G
DATE: 15.09.25
BY: M.M