
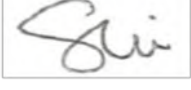


INLAND RAIL – NARRABRI TO NORTH STAR – SSI 7474

ER MONTHLY REPORT

APRIL | 2022

Authorisation

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1. KEY FINDINGS FOR THE REPORTING PERIOD

This Environmental Representative (ER) Monthly Report has been prepared in accordance with State Significant Infrastructure 7474 Condition of Approval A28(j), covering the period of 1 April to 30 April 2022.

Due to COVID-19 isolation requirements there was no ER inspection on 6 April. Accordingly, the only ER inspection for the month was conducted on 20 April.

Housekeeping, No Go Zones and ERSED controls at all of the Stage 1 sites inspected on 20 April was excellent. Well presented, visually appealing and concise environmental guidance (posters, wall charts, etc) was installed in prominent locations within the site offices at MAFs in Stage 1.

Given the higher environmental risk profile associated with the establishment of the piling pads at 10 Mile and Spring Creeks, it was recommended that the CPESC continue to be closely involved in the works at these sites until such time as the risk profile reduces.

A review of mitigation measures (including for FCWS) in the Biodiversity Management Plan (BMP) in April found that in respect of these measures, the BMP was being implemented. Some opportunities for improvement to the mitigation measures in the BMP (not related to FCWS) were identified that could be addressed in the next revision of the plan.

Seven environmental incidents were recorded by ARTC during April including five (related to FCWS encounters) reported to DAWE. A sixth incident (FCWS fatality) required reporting to both DPE and DAWE.

There were thirteen complaints recorded during April, two of which remained open by the end of the month. Complaints regarding driver behaviour related issues need to be targeted in pre start / toolbox talks and / or disciplinary action taken if required to prevent recurrences.

Sixteen Minor Ancillary Facilities, most located in Stage 1, were approved by the ER in April.

Revision 2 of the Traffic, Transport and Access Management Plan was endorsed by the ER in April.

2. BACKGROUND

The Australian Rail Track Corporation (ARTC) is responsible for the delivery of the Inland Rail – Narrabri to North Star Phase 1 Project (the Project). Trans4m Rail (a joint venture between John Holland and See Civil) is the Principal Contractor constructing the Project.

Approval of the Project was granted by the Minister for Planning and Public Spaces on 13 January 2020 (State Significant Infrastructure 7474), subject to a number of Conditions of Approval (CoA).

In accordance with CoA A24, WolfPeak were approved as the Project's Environmental Representatives (ER) by the Department of Planning, Industry and Environment (the Department, or DPIE) on 13 December 2020.

CoA A28(j) requires that for the duration of the works until 12 months after the completion of construction, the approved ER must *prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, an Environmental Representative Monthly Report providing the information set out in the Environmental Representative Protocol under the heading "Environmental Representative Monthly Reports." The Environmental Representative Monthly Report must be submitted within seven (7) calendar days following the end of each month for the duration of the ER's engagement for the CSSI.*

This Report has been prepared in accordance with CoA A28(j), covering the period from 1 to 30 April 2022.

3. PROJECT ACTIVITIES

During April construction work commenced in Stage 1 and main construction continued in Stages 2 & 3 as outlined in Table 1 below.

3.1 Minor construction ancillary facilities

Minor Ancillary Facilities (MAF) were established in April at:

- Tackinbri Creek
- Yallaroi Lime Storage (updated)
- Woolabrar Caravan
- Chainage 578 Gate 2 Caravan
- Chainage 596.6 Moree Road

3.2 Construction works, including upcoming works

The construction works undertaken in April 2022 and scheduled for May2022 are presented in Table 2.

Table 2: Construction works, including upcoming works

April 2022 – Works Completed	May 2022 – Works Planned
<p><u>Stage 1 (CH574.700 - CH625.500)</u></p> <ul style="list-style-type: none"> Establishment of priority Minor Ancillary Facilities within Stage 1. Stripping, stacking and loading out of rail, sleepers and jewellery commenced through Stage 1. Stripping of topsoil at priority locations, approx. 17,000lm (both sides) stripped in April. Bulk earthworks (incl. foundation treatment) commenced at priority locations. Demolition of the existing bridges at Bobbiwaa and Ten Mile Creeks completed. The temporary piling pad at Ten Mile Creek has been constructed. Demolition of the existing culverts at priority locations throughout Stage 1. Establishment of controls at Spring Creek and Tookey Creek in preparation for the demolition and construction of these culverts. <p><u>Stage 2Ai (CH625.700 – CH641.900) & Stage 2Aii (CH647.000 - CH658.000)</u></p> <ul style="list-style-type: none"> Fence installation. Continue with combined Services Route (Waterloo) installation. <p><u>Stage 2B</u></p> <ul style="list-style-type: none"> Establishment of priority Minor Ancillary Facilities. All rail and sleeper stripping and signalling removal activities completed. Stripping of topsoil completed within all Stage 2B. Bulk earthworks including foundation treatment commenced. <p><u>Stage 3 (CH681.000 – CH760.500)</u></p> <ul style="list-style-type: none"> Bulk earthworks completed within Stage 3. Capping completed from CH681 – CH739, with some small sections north of CH725 still requiring capping. 	<p><u>Stage 1 (CH574.700 - CH625.500)</u></p> <ul style="list-style-type: none"> Complete the stripping, stacking and loading out of rail, sleepers and jewellery within Stage 1. Continue stripping topsoil within Stage 1, based on priority locations. Continue bulk earthworks within Stage 1, based on priority locations. Demolish culverts throughout Stage 1, including the culverts at Spring and Tookey Creeks. Commence piling at Ten Mile Creek and Bobbiwaa Creek. Commence construction of access gates within Stage 1. <u>Stage 2Ai (CH625.700 – CH641.900) & Stage 2Aii (CH647.000 - CH658.000)</u> Completion of fence installation within Stage 2Ai and ii. Complete the installation of the Combined Services Route (Waterloo) installation. Weed management activities within Stage 2Ai and ii. <p><u>Stage 2B</u></p> <ul style="list-style-type: none"> Bulk earthworks continue across entire alignment of Stage 2B. Demolition of existing culverts. Commencement of construction of culvert foundations and base slabs. <p><u>Stage 3 (CH681.000 – CH760.500)</u></p> <ul style="list-style-type: none"> Continue placing capping material in the small sections from CH725 – CH739 and proceed north of CH739. Continue placement of bottom ballast north of CH735. Removal of the temporary works at Croppa Creek and Croppa Trib Bridge locations. Complete the remaining culverts between CH742 – CH760.

<ul style="list-style-type: none"> • Bottom ballast placed from CH681 – CH718. • Rail placed from CH681 – CH718 and sleepers laid from CH725 - CH730 (directly onto capping). • Removal of temporary works at Yallaro Creek. • Continue with the construction of culverts from CH742.000 north. • Croppa Creek Bridge: Final pour of span 1 and installation of handrails. • Preparation for landscape treatment from CH681 – CH707. 	<ul style="list-style-type: none"> • Completion of landscape treatment from CH681 – 707.
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3.3 Changes to the Project

A modification is currently being prepared to amend the SPIR project boundary.

3.4 Community consultation and complaints received

A summary of the community consultation activities undertaken on the Project during April is provided in Table 3 below.

Table 3: Community Engagement Summary

ENGAGEMENT CHANNEL AND VOLUME	PURPOSE
127 Emails and 97 Phone Calls	Fencing conversations, stakeholder interactions, property access
4 Website updates	Anzac Day attendance. What is a turnout? TAFE partnership opportunities. Construction update
5 Meeting with Councils	Extraordinary NSC LEMC Meeting, MPSC project interface, Council catch ups
17 Face to Face Stakeholder Meetings	Spray protocol, sighting distances, temporary occupancies, fencing, property discussions
4 Community Info Sessions	TAFE Industry event, Narrabri Industrial Network, Narrabri Community Chamber of Commerce, Bellata community information session
1 Media events	Moree SAP announcement
18 Works Notification	Individual LX upgrades, rail bridge upgrades
5 Agency Interactions	Narrabri Local Aboriginal Land Council, TfNSW, LLS, Telstra

There were 13 complaints recorded in April 2022 (compared to 7 in March 2022), of which 2 are yet to be closed out.

I note 3 complaints regarding driver behaviour related issues which should be targeted in pre start / toolbox talks and / or disciplinary action taken if required to prevent recurrences.

The current complaints / enquiries register is provided at Appendix A.

3.4.1 Incidents

7 environmental incidents (compared to 6 in March 2022) were recorded by ARTC during April including:

- Five FCWS relocation events between 602.95 and 629.85 (reportable to DAWE)
- One FCWS fatality at CH628.55 (reported to DPE & DAWE)
- One concrete wash out at Croppa Creek Bridge (negligible environmental impact / not reported)

3.4.2 Non-compliances

There were no known non-compliances with the CoA during April.

3.5 Lessons learned

An environmental Lessons Learned Workshop from 2021 was facilitated by Trans4m and ARTC using the Collective Insight process. Senior Trans4m construction team participated in part to help shape and identify ways to help support the implementation of these actions.

Some of the key outcomes from the workshop were:

- Lack of evidence of Trans4m corporate audit processes being carried out. Audits not well documented and patchy implementation of Corporate Audit schedule. *Action: Trans4m Project Director to drive Corporate Audit schedule*
- Recording of Daily Site Supervisor Diary inspections in PPW varies in quality and often low or no environmental coverage. *Action: Trans4m to amend Site Diary inspection format to include more project specific and targeted environmental items and ER to review implementation*
- Good incident reporting culture in relation to initial notification of incidents by Trans4m to ARTC and ER. Event reporting data is high quality and there was a positive response to earlier (2021) piling pad overtopping events that resulted to improvements in the design of the pads which has been transferred to Stage 1.

4. ER ACTIVITIES

4.1 Advice provided to the Proponent on the CoA and other authority conditions

Advice / approval documentation provided by the ER during the reporting period is included in Appendix B.

4.1.1 Information / advice requests

During the reporting period the ER provided advice on / reviewed:

- Endorsed OOHW in high risk locations in Stage 1, 2 and 3
- Endorsed Revision 2 of the TTAMP
- Reviewed a Consistency Assessment (no comments arising) in relation to Gate Access in Stage 1

4.1.2 Ancillary facilities

There were 16 MAFs (most in Stage 1 area) approved by the ER in April at:

- Bobbiwaa Ballast and Caravan (2 MAFs)
- Boggy Creek
- Ch578 Ballast
- Ch656.6 Ballast
- Clump Road
- Croppa Creek South
- Edgeroi
- Galathera Lane
- Penneys Road Ballast

- Tapscott Road
- Tarlee Caravan
- Tremayne
- Waterloo 2 Ballast
- Woolabrar Ballast and Caravan (2 MAFs)

4.2 Environmental management plans and programs

4.2.1 Development

The CEMP and sub plans for the Project were approved by the Secretary's nominee on 7 April 2021. All of the sub plans have been revised and approved progressively since then.

4.2.2 Implementation

A review of mitigation measures (including for FCWS) in the Biodiversity Management Plan (BMP) in April found that in respect of these measures, the BMP was being implemented. Some opportunities for improvement to the mitigation measures in the BMP (not related to FCWS) were identified that could be addressed in the next revision of the plan. These are outlined in the ER inspection report in Appendix C.

4.2.3 Site inspections

A site inspection took place on 20 April, (Appendix C) focussing on Stage 1 housekeeping, No Go Zones and erosion and sediment controls (ERSED). The inspection scheduled for 6 April had to be cancelled due the ER having to self-isolate under Covid rules.

Housekeeping, No Go Zone signage and ERSED controls at the Stage 1 sites (10 Mile and Spring Creeks) inspected was excellent. Well presented, visually appealing and concise environmental guidance (posters, wall charts, etc) was installed in prominent locations within the site office at the sign in MAF.

Given the higher environmental risk profile associated with the establishment of the piling pads at 10 Mile and Spring Creeks, it was recommended that the CPESC continue to be closely involved in the works at these sites until such time as the risk profile reduces.

4.2.4 Audits

No audits were conducted during April on the Project.

4.2.5 Complaint resolution by ER

Nothing to report.

4.2.6 Meetings

Weekly Project Environment Team meetings have been established with environmental and management representatives from ARTC, Trans4m Rail and the ER. In addition to the issues outlined in Section 4.1, the meetings discussed the development of environmental plans and programs and requirements to be fulfilled during construction. The meetings continued through April 2022.

4.2.7 Documentation issued

Documentation issued by the ER is provided in Appendix B.

4.2.8 Communications with the Secretary

Other than the submission of the ER Monthly Reports, there have been no other written communications with the Secretary.

5. ENVIRONMENTAL PERFORMANCE OF THE PROJECT

Housekeeping, No Go Zones and ERSED controls at all of the Stage 1 sites inspected during April was excellent. Well presented, visually appealing and concise environmental guidance (posters, wall charts, etc) was installed in prominent locations within the site offices at MAFs in Stage 1.

Given the higher environmental risk profile associated with the establishment of the piling pads at 10 Mile and Spring Creeks, it was recommended that the CPESC continue to be closely involved in the works at these sites until such time as the risk profile reduces.

A review of mitigation measures (including for FCWS) in the Biodiversity Management Plan (BMP) in April found that in respect of these measures, the BMP was being implemented. Some opportunities for improvement to the mitigation measures in the BMP (not related to FCWS) were identified that could be addressed in the next revision of the plan.

Seven environmental incidents were recorded by ARTC during April including six (related to FCWS encounters) reported to various agencies. Only incident (FCWS fatality) required reporting to DPE.

There were thirteen complaints recorded during April, two of which remained open by the end of the month. Complaints regarding driver behaviour related issues need to be targeted in pre start / toolbox talks and / or disciplinary action taken if required to prevent recurrences.

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APPENDIX A – COMPLAINTS REGISTER

No.	Date received	Time received/initiated	Method received	Complaint Number	CM Unique Identifier	Details of Complaint	Response to Complaint	Method of Response	Date Responded	Time Responded/resolved	complaints escalation	procedure/timeframe	Status of Complaint
Week concluding 8th January - 0 complaints received													
0													
Week concluding 15th January - 1 complaints received													
1	14 January 2021	5pm	Guley Site o	20756		Enquiry regarding Gurley Site operation during formation trial.	Detailed conversation and approach agreed by Site Operator and Construction Manager. Stakeholder satisfied with response from team.	Face2Face	14 January 2021	5.45pm			Closed out
Week concluding 22nd January - 0 complaints received													
0													
Week concluding 29nd January - 1 complaints received													
1	27 January 2021	3pm	hotline	13067		Complainant indicated we are trespassing and not talking to her or her family.	Inland Rail have spoken to the Stakeholder regarding Native Title concerns. Landowner is known to Inland Rail and has spoken on a number of occasions. Stakeholder satisfied with response. Inland Rail remains open to ongoing consultation with an effort to reach a resolution.	Telephone call	27 January 2021	4pm			Closed out
Week concluding 5 February - 2 complaints received													
1	3 February 2021	3.48pm	email	DPIE		Enquiry: Local Moree contractor, inquiring as to the degree of local tenders being accepted by Trans4m Rail. There was the suggestion made that perhaps they weren't 'walking the talk'.	IR provided response to the Department outlining procurement process/steps being undertaken by IR's contractor (Trans4m Rail). Stakeholder satisfied with response.	Telephone call	4 February 2021	5.34pm			Closed out
2	25 January 2021	2.49pm	email	12933		Enquiry: Stakeholder raised concerns with impacts of construction on an already poor telecommunications network. How will this impact their operations?	Inland Rail met with stakeholder to provide update on internal and external discussions on this issue. Discussions ongoing.	Face2Face	15 February 2021	5.30pm			Closed out
Week concluding 12 February - 1 complaints received													
1	9 February 2021	11am	hotline	39662		Enquiry into how traditional owners are being contacted and what employment opportunities are available for Local Indigenous People.	Inland Rail have spoken to the stakeholder regarding Native Title concerns, as well as explained how the Moree skills academy is getting indigenous community ready to work on the project.	Face2Face	10 February 2021	3pm			Closed out
Week concluding 19 February - 0 complaints received													
0													
Week concluding 26 February - 1 complaint received													
1	22 February 2021	9am	hotline	39662		Enquiry into local Indigenous employment and supplier opportunities.	IR requested the contractor speak to the complainant to outlining procurement process/steps being undertaken by the contractor.	Face2Face	23 February 2021	11am			Closed out
Week concluding 5 March - 1 complaint received													
1	5 March 2021	10am	Walk-in	13067		Stakeholder claims that IR have all failed and failed to engage with the traditional owners of Moree. While the stakeholder stated that they would not speak with the IR representative, the stakeholder did state that they proposed to make a "class action" against Inland Rail for not engaging with the "traditional owners of Moree" and that the claim would include a 50km radius of Moree and that the "North Star mob" would also be submitting a "class action". Stakeholder did not provide specifics of the claim.	Inland Rail offered a meeting which was refused. Stakeholder suggested further discussions should be held with her solicitor.	Telephone call	5 March 2021	10am		IR CH communicated to stakeholderr and offered F2F meeting and not taken up within 28 days	Closed out
Week concluding 12 March - 0 complaint received													
0													
Week concluding 19 March - 0 complaint received													
0													
Week concluding 26 March - 0 complaint received													
0													
Week concluding 01 April - 0 complaint received													
0													
Week concluding 09 April - 1 complaint received													
1	2 April 2021	4pm	SMS	15268		Enquiry into status of land access agreement. The rail line is inaccessible by road except through stakeholder's land and Contractor is requesting access before design issues have been resolved by the ARTC Project team.	Stakeholder's concerns will be escalated within IR. IR offered to bring forward meeting with stakeholder in which design issues will be addressed.	SMS	3 April 2021	2pm			Closed out
Week concluding 16 April - 1 complaint received													
0													
Week concluding 24 April - 0 complaint received													
0													
Week concluding 30 April - 1 complaint received													
1	29 April 2021	10.15am	Phone-in	13067		Stakeholder raised an issue regarding a cultural heritage issue in Moree –that others are working on country without knowledge or appropriate approval. IR have spoken to this stakeholder regarding the same issue previously.	IR explained that the guidelines provided for the cultural Heritage investigations and urged her to contact NTSCorp (lawyers for the NT applicant) to discuss with them.	Phone - out	29 April 2021	2.32pm	IR indicated that would find out who the Representative Aboriginal Parties are and get back to her. IR have provided stakeholder this information previously.	IR CH communicated to stakeholderr and offered F2F meeting and not taken up within 28 days	Closed out
Week concluding 7 May - 1 complaint received													
1	30 April 2021	10am	email	22876		During the recent flood event, stakeholder had ballast through his paddock and a blocked culvert.	Inland Rail asked Trans4m Rail to go on site, inspect and remove excess ballast. This occurred on Tuesday and farm manager has sign off on the works.	Face2Face	2 May 2021	morning			Closed out
Week concluding 14 May - 2 complaints received													
1	13 May 2021	4pm	Hotline	49130		Stakeholder accusation of a threat of physical violence from an identified contractor employee.	Accused individual has not worked for the contractor for several weeks. Recommended that they go to the police.	call	13 May 2021	6pm			Closed out
2	10 May 2021	9am	Social PinPg	13665		Stakeholder provided photos of a blocked culvert and missing ballast due to flooding. Requested better/more culverts in the area.	The culverts at Coolleearlee will be unblocked as soon as possible. The hanging rail/lack of ballast will be fixed with main construction which is expected within a few months. The existing culverts will be replaced with a larger concrete box culvert which will allow for a better flow through in flooding events.	email and Call	14 May 2021	11am			Closed out
Week concluding 21 May - 1 complaints received													
1	14 April 2021	2pm	Call to Cont	20801	7521	Stakeholder would like to better understand if vibration from the trains post construction and how it may affect/damage his house.	Stakeholder informed that home will not be affected vibration or only to a negligible degree, well short of risking damage to his house. Follow up meeting to be scheduled when stakeholder is the area to explain further.	email	19 May 2021	3pm			Closed out
Week concluding 28 May - 0 complaints received													
0													
Week concluding 06 June - 0 complaints received													
0													
Week concluding 11 June - 0 complaints received													
0													
Week concluding 18 June - 0 complaints received													
1	15 July 2021	12noon	email	12763	23	Request for compensation for livestock injury due to laydown and rail.	Compensation in review.		17/09/2021		Escalated to procurement and compensation amount accepted	Invoice processed 17 Sept with 7 day payment as per normal ARTC payment procedure	Closed out
Week concluding 25 June - 0 complaints received													

1	21 July 2021		SMS		25		ARTC noise mitigation is for operational noise not construction. Various informal discussions (29/10) occurred with Peter regarding options. Some of these included: @window glazing (not supported until noise assessment undertaken), @alternative accommodation and; @fencing options. (Peter has since advised the fencing around the workers accommodation with safety being the priority - He has requested basic chain wire fencing or the like to keep kids and dogs safe within the yard whilst construction works and operational works are undertaken.				Landowner meeting on 26/11 - agreed on fencing mitigation for house. IR advised operational noise and vibration assesment will occur in coming two months.		Ongoing	
Week concluding 2 July- 0 complaints received														
1	28 July 2021	16hrs	phone call in	13659	26	LX3153 was not accessible due to earthworks.	Contractor coordinated with on-site super to arrange access ASAP.	Call out	28 July 2021	within the hour			Closed out	
Week concluding 9 July- 0 complaints received														
0														
Week concluding 16 July- 0 complaints received														
0														
Week concluding 23 July- 1 complaint received														
1	18 July 2021	10pm	email		12017	Stakeholder would like black soil road repaired after Contractor used heavy vehicles on after heavy rain.	Contractor advised the site inspected then a potential grade undertaken Friday 23 July or early next week pending dry weather. Contractor to determine if wash out points also need some gravel dumped.	call	19 July 2021	11am			Closed out	
Week concluding 30 July- 1 complaint received														
1	23 July 2021	Noon	email in		24	ROAD DAMAGE GSC - GIL GIL CREEK RD - TRUCK ON WET ROAD.	On-site inspection to occur once rain stops. Alex Eddy has agreed to assess impacts on Monday 26 July.	email	23 July 2021	2pm			Closed out	
Week concluding 6 August - 0 complaint received														
0														
Week concluding 13 August - 0 complaint received														
0														
Week concluding 20 August - 4 complaint received														
1	17/8/2021	1pm	Call in	12036	29	Gate was left open in one of his stock paddocks when no access permission given.	Information passed onto construction crews immediately. IR met landowner to determine fencing requirements, contractor briefed internally importance of gates being closed.	Call in	19/8/2021	10am			Closed out	
2	17/8/2021	9am	Call to contractor	12603	28	Stakeholder believes that construction should halt due to Covid lockdown as new people coming to down poses an unacceptable risk.	Response did not allay concerns. While Contractor is working lawfully, this has not satisfied landowner.	Call in	17/8/2021	9am			Closed out	
3	16/8/2021	12noon	Call to contractor	14371	27	Gate left open.	Contractor Internal briefing: highlighted importance of gates being closed. Landowner informed of briefing.	SMS	17/8/2021	9am			Closed out	
4	17/8/2021	11am	SMS to contractor	46729	30	Contractor dewater pipe is flooding paddock.	Contractor Environment team relocated the pipe. Informed landowner.	Contractor called out	19 August 2021	12noon			Closed out	
Week concluding 27 August - 2 complaints received														
1	23/08/2021	2pm	SMS to contractor	14371	31	Gate left open again.	Contractor called stakeholder to apologise - sent internal comms highlighting issue.	Contractor called out	23/08/2021	14pm			Closed out	
2	22/08/2021	11am	Email to Contractor	31678	33	Concern with the hydrology design around Gurley Creek Road causing unexpected flooding.	Contractor sent to IR - IR to provide hydrology report - Meeting pending with Council.				IR met MPSC (Wed 15 Sept) this action now sits outside IR and is with Council		Closed out	
Week concluding 03 September- 1 complaints received														
1	30/8/2021	2pm	Email to Contractor		21749	35	Croppa Moree Road - damage to [sealed] road due to increased traffic.	Contractor to review Maintenance Dilapidation records in conjunction with an assessment of current road condition. Council meeting to be scheduled for next steps.	Contractor emailed back	30/8/2021	2pm	IR, Contractor and GSC have an agreed roads maintenance approach and implemented an ongoing monitoring procedure	Met Oct 6th, next meeting Oct 20th - Contractor Actions: establish critical routes, Tour of Stage 2, Provide Construction info pack, Meetings have occurred rgulaliry between both parties.	Closed out
Week concluding 10 September- 2 complaints received														
1	7 September 2021	11.10am	Email to Contractor	21749	37	Stakeholder received complaints regarding damage incurred to the Gil Gil Creek Road between County Boundary and Oregon Road, and damage we already discussed on Crooble Road/Yamboon Lane.	Contractor to review Maintenance Dilapidation records in conjunction with an assessment of current road condition. Council, IR and Cotractor to meet onsite on Tuesday 14th September to assess damage and resolve next steps.	Meeting on site	14 September 2021	1pm	IR, Contractor and GSC have an agreed roads maintenance approach and implemented an ongoing monitoring procedure	Met Oct 6th, next meeting Oct 20th - Contractor Actions: establish critical routes, Tour of Stage 2, Provide Construction info pack,	Closed out	
2	2 September 2021	2pm	Visited Moree Office	88990	36	Stakeholder - there is an increase in rubbish on the side of the road along Croppa-Moree Road.	Contractor raised concerns of general waste - staff were issued with a reminder in tool box meetings and via email 'please ensure all rubish in placed in bins. It is everyones responsblitiy to keep all work sites clean.	Contractor Face to face	10 September 2021	7am			Closed out	
Week concluding 17 September- 3 complaints received														
1	17/09/2021	11am	Email to contractor		12017	39	The road remained impassable even after ealier treatment - urgent fix required for harvest.	Meeting scheduled with council next week - following this meeting, appropriate action and assessment will be determined for future road maintenance. A formal response regarding Crooble Road will be provided post the Council meeting next week.	Contractor sent email	17/09/2021	11am	22/09 -IR met wth GSC. @ Contractor to provide mitigation measure to council. 30/11/ -GSC and contractor have agreed to a joint road repair program. Program was communicated with landowner who was satisfied with the approach.		Closed out
2	15/09/21	2pm	Email to NSW Farmers	14371	7520	Survey Pegs were placed/found in cropping land and placed without permission. Landowner removed pegs.	Contractor called stakeholder on September 22nd - 2 (concrete) control marks were placed near LX3166 without permission. They were removed Wed 21st.	Call from Contractor	21 September 2021	2pm			Closed out	
3	17/09/2021	10am	F2F	37313	7522	IR Rep and Member for Parkes were approached by a concerned stakeholder. Stakeholder raised local Inigenous and Cultural Heritage issues. Quite agitated. Stakeholder is well known (and within IR and Trans4m Rail teams) for her vocal approach to the project.	IR suggested that they set up a meeting with stakeholder and MP to discuss concerns. Key messages to be prepared by IR for the meeting when requested.	F2F	17/09/2021	10am	Action sits outside IR - Meeting set for member for Parks Office -	IR will wait to receive formal corro from MP's Office	Closed out	
Week concluding 24 September- 0 complaints received - NEW AUDIT SYSTEM - NEW COLUMNS F, Q and R added														
0														
Week concluding 1 October - 0 complaints received														
0														
Week concluding 8 October - 1 complaints received														
1	6th October 2021	5pm	Hotline	58704	7525	Contractor staff driving through Pallamallawa at excessive speeds and not complying with Covid regulations at the pub.	After contractor talked to complainant, contractor raised internally, road safety/speed focus on internal meetings with reference to specifics in the complaint.	Call	10 July 2021	1300			Closed out	
Week concluding 15 October - 2 complaints received														
1	11th October 2021	10am	Email	7526	12086	Landowner has refused access to his property and roads due to survey pegs placed in Cropped Land (possibly ARTC owned land) - same complaint as row 85, pegs likley placed at the same time.	Email apology, F2F at North Star Event, Stakeholder open to compromise as long as harvest is uninturruped.	Email and F2F	11/10/2021 and 15/10/2021	11am	none		Closed out	
2	8th October 2021	10am	Email to contractor	7527	58520	lack of signals at closed level crossing with large hole in the road.	Contractor talked to stakeholder to confirm that traffic signage was infact installed - Contractor emailed copy of traffic management plan to Gwydir Council - Internal comms to ask earthworks team to inform traffic control team of changes in road quality	Call	10 August 2021	11am	none		Closed out	

Week concluding 22 October - 1 complaints received													
1	21/10/2021	5pm	Call to contractor	7528	58704	Repeat complaint and complainant: (row 92) Speeding in Pallamallawa	Further Contractor briefing on the issue, with contractor project director highlighting it's importance for social contract. Community meeting planned in the area and will be incorportaed into the agenda	Voice Mail from Contractor	21/10/2021	5pm	IR advised that there will be a community info session 8th Nov, and to list license plates of suspected speeding vehicles	Comminity Information Session planned Nov 8th	Closed out
Week concluding 29 October - 7 complaints received													
1	25/10/2021	2pm	Call to contractor	7533	20802	Star Picket found on ground - picked up by header	Contractor apologised for the incident. Contractor Enviro team are undertaking works to remove pickets near crops. Stakeholder confirmed they removed others. Contractor to inform IR when works is completed in all of Stage 3.	Call	25/10/2021	5pm	Landowner conern escualted to IR Director. IR Director to call landowner to discuss next steps	W/C 13th to be resolved	Closed out
2	27/10/2021	2pm	Call to contractor	7534	?	Cyclist concerned about driver behaviour	Contractor investigated and advised stakeholder that speed and driver behavior education program is ongoing	Call	27/10/2021	2pm	Contractor contracted stakeholder and council to ensure safety and wellbeing of stakeholder was followed up. Safety investigation confirmed no further follow-up required		Closed out
3	27/10/2021	11am	SMS to contractor	7536	12017	Stakeholder informed contractor that the location of Survey Pegs on road alignment hazzard for tires	Contradctor advised stakeholder to remove any pegs and a staff memeber will be onsite to tomorrow to remove any more. Contractor working with survey team to find better solution which is not a risk to machinary.	Call	27/10/2021	7pm	No escalation, landowner satified with removal of pegs, no further issue with contraction pathway		Closed out
4	26/10/21	11am	Email to contractor	7535	13702	Driving outside Boundaries into paddock, blocked dam blocking access to paddock, overloaded telecomms, weeds in the corridor,.	Boundaries: adding additional flagging today; Dam: Raised with earthworks super; Telecoms: well known issue , senior leadership aware, no immdiate solution; Weeds: Contractor will spray this week .	Contractor sent email	28/10/2021	11am	Stakeholder concerns escualted to Contractor and IR Directors. Miitigaiton measures agreed with stakeholder. Ongoing reviews required	Landowner meeting required w/c 6/12	Ongoing
5	25/10/2021	Noon	Call	7537	12036	Stakeholdes concerns with contractor use of private road	Landowner understood that in this particular case it was for emergency access however he still thought the project needs to advise their staff of the no access through his private property. Unauthorized Access is an ongoing issue - IR will produce further signage to re-enforce private property - no access.	Call	25/10/2021	Noon			Closed out
6	27/10/2021	5pm	Email in	7538	58972	Interruption to electricity on scheduled EE outage in the Bellata zone, resulting in disruption GrainCorp/harvest operations.	Outage postponed until March-2022.	Email out	28/10/2021	4pm			Closed out
7	29/10/2021	11am	Email in	7539	13702	Driving outside boundaries into paddock.	Contractor informed stakeholder that flagging is to show boundary is being completed today, and will inform when they are finished. The issue will be raised at internal meetings to highlight issue and landholder concerns.	Email out	29/10/2021	11am	Stakeholder concerns escualted to Contractor and IR Directors. Miitigaiton measures agreed with stakeholder.	Landowner meeting required w/c 6/12	Ongoing
Week concluding 5 November - 3 complaints received													
1	2 November 2021	3pm	Call	7541	12170	Cultural Heritage artifacts have been removed and should be displayed for tourism purposes. Stakeholder unhappy that she was not informed sooner about the laydown (in the corridor) at the entrance to her property affecting sight lines as the enter the highway. She also expressed concern about the 5th Nov power outage affecting harvest.	Artifacts are stored in Sydney and will be returned.	Call			Escalated to Cultural Heritage SME	CH spoke to stakeholder on Nov 3rd - discussed her ongoing issues and provided feedback on the outcomes of our investigations and the process	Ongoing
2	2 November 2021	1pm	Call	7542	38425		Informed stakeholder about delivery schedule and what will not be stored on the pad. investigations will continue and will inform the traffic management plan.	Email	12 November 2021	3pm			Closed out
3	1 November 2021	11am	Call/attended media event	7543	37313	Stakeholder upset at recent Cultural Heritage incidents.	Ongoing concerns - CH issues will be dealt at the program level.	F2F			Escualted to IR Cutlrual Heritage Manager for direct liaison with Stakeholder.		Ongoing
Week concluding 12 November - 3 complaints received													
1	9 November 2021	3pm	F2F	7545	59107	Moree shopkeeper asked Indegenous Trans4m Rail staff member to update him on recent travels relating to current COVID concerns in the community. Contractor staff took offence and was visibly agitated with the owner. Owner called IR to complain anbout contractors behaviour.	Contractor advised IR the staff member did not work on the project at the time of the incident. This wsa communicated back to the shop owner.	Email	10 December 2021	3pm			Closed out
2	9 November 2021	11am	SMS	7546	13702	Holes/low spots left near level crossing caused by contractor truck movements creating risk to harvest truck movements - request for gravel to fill them.	Contractor pumped water out of holes and will continue monitoring. Heavy rain expected.	F2F	10 November 2021	multiple	Gravel has been requested from contractor but rain delaying the fix. Gravel layed 15/11 landowner satified with outcome.		Closed out
3	12 November 2021	9am	SMS	7548	7520	Perecived Interruption to weed spraying by contractor, causing delay.	Contractor informed IR and wider team of access as per spraying protocol	Email	12 November 2021	noon			Closed out
Week concluding 19 November - 3 complaints received													
1	15 November 2021	9am	Call to hotline and email	7549	27906	Extra water on little Bumble Creek causing standing water in paddock risking livestock.	IR called stakeholder, arranging a face-to-face meeting on Monday onsite.	Email and Call	15 November 2021	4pm	IR and stakeholders met on site 26/11. further investigations are required.		Ongoing
2	18 November 2021	7pm	email	7550	59260	Speeding in Crooble, claim of trucks going 100kph in a 60 zone.	Contractor addressed speeing in Tool box and internal briefing specifically addressing driver behaviour and community safety.	Email and Call	2 December 2021	10.30am	no escalation required.		Closed out
3	19 November 2021	12noon	email to DPIE	7551	59260	Aboriginal Elder stakeholder raised concerns about contractor covid requirements for worker/potential workers and that some workers don't have contracts stating leave and WHS requirements	IR responded to DPIE addressing concerns	Email	23 November 2021		No further response required at t his stage		Closed out
Week concluding 26 November - 0 complaints received													
0													
Week concluding 3 December - 0 complaints received													
0													
Week concluding 10 December - 3 complaints received													
1	7 December 2021	2pm	F2F with Contractor	7551	59381	Raised safety concerns/sight distances around Level Crossings near North Star School	Contractor to provide further information regarding specinc level crossing design and safety features and will involve local council to ask if clearing vegetation would improve sight lines. Contractor met school stakeholder on 16/12. Stakehdoer will promote safety messages in the school.	F2F with Contractor	7 December 2021	2pm	Ir to Meet School and provide LX designs		Ongoing
2	7 December 2021	3pm	F2F with Contractor	7552	12037	Trucks are damaging local roads	Contractor assured stakeholder that roads would be left as they were found or better (as per agreement with council). Flooding conditions have damaged roads more than expected. Contractor to contact council to discuss current road conditions and develop a plan for maintenance.	F2F with Contractor	7 December 2021	3pm			Closed out
3	8 December 2021	2pm	Email to Contractor	7554	58520	Contractor speeding in Crooble. Request for better signage	Email to inform stakeholder of measures to reduce speeding such as driver education programes	Contractor email	8 December 2021	5pm			Closed out
4	9 December 2021	1pm	F2F with Contractor	7553	12763	Inability to cross rail due to closure of informal level crossing	Fencing and gate design in the area being refined with ARTC and T4MR which would allow stock crossing at LX 922	Meeting	7 December 2021	1pm			
Week concluding 17 December - 3 complaints received													
1	15 December 2021	12noon	Email to Contractor	7555	21796	Stakeholder requested smaller speed limit and dust control on Stanester Rd	Contractor has informed senior management who will provide oversight, SMS to all contractors asking to drive to conditions. request to the stakeholder to get number plates of offending vehicles.	Email	15 December 2021	12noon			
2	22 December 2021	4pm	F2F	7559	12763	Construction has caused new waterflows and flooding stakeholder bike track	Contractor mobilised onsite to divert waterflow to the intended channel	F2F with Contractor	23 December 2021	12noon			Closed out
3	24 December 2022	5pm	Email in	7558	12796	Stakeholder complaining that new fencing is not constructed fast enough (old fencing has been removed)	emailed issued to contractor seeking construction schedule. Contractor emailed stakeholder stating timing and delays due to required survey and covid	Contractor email	18 January 2021	12noon			Closed out

Week concluding 24 December - 0 complaints received													
0													
Week concluding 31 December - 0 complaints received													
0													
Week concluding 7 January - 0 complaints received													
0													
Week concluding 14 January - 0 complaints received													
0													
Week concluding 21 January - 0 complaints received													
0													
Week concluding 28 January - 1 complaints received													
1	25 January 2022	10am	Call to hotline	7562	67554	Contractor Ute kicked stone which damaged stakeholder car	Contractor advsied internal education around driver behaviour and to contact directly if any future concerns	Call from Contractor	25 January 2022	12noon			Closed out
Week concluding 4 February - 1 complaints received													
1	28 January 2022	10am	F2F with Contractor, Call in and	7564	12036	3 engagements - 2 F2F and one call in re: same issue - Landowner is denying access to public road due to ongoing outstanding issues he has with the design affecting his land/farming	Contractor passed on issues to ARTC. They are well known to ARTC discussions are continuing.	F2F with Contractor	28 January 2022	10am	Escatlated to ARTC Snr Management		Ongoing
Week concluding 11 February - 1 complaints received													
1	08 February 2022	2pm	F2F with contractor	7574	none recorded	Stakeholders stated that the LX pads were fimsy when driving accross which creates a sizable gap between the pad. This risks some drivers missing the pads and fall between the tracks risking injury.	Sent to Contractor for rectification	Call	10 February 2022	2pm			Closed out
Week concluding 18 February - 3 complaints received													
1	14 February 2022	6pm	Email to Contractor	7576	32009	landowner complainig about dust affecting business	Additional mitigation measures (watercarts) on site. Notification also provided in Daily brief.	Contractor email	15 February 2022	10am			Closed out
2	15 February 2022	3pm	SMS to Contractor	7577	46832	Stakeholder claims that IR ute (due to light on top) swiped stakehdoler car at speed, damaging wing mirror.	Investigation indicated that this was not a Contractor Vehicle. 23/3: Stakeholderr fixed car and does not want compensation due to car being unidentified	Call from Contractor	15 February 2022	10am			Closed out
3	11 February 2022	2pm	f2f	7579	70759	Stakeholder noted that Parthenium (a Weed of National Significance) was being slashed up to the verge, despite signage stating these are no-go zones. This weed's presence was not noted in the EIS.	Stop work order was issued immediately. IR to meeting stakeholder to agree on weed management measures and that stakeholder was asked to comment on the biodiversity plan and did not mention the presence of this protected weed.	f2f	11 February 2022	2pm			Ongoing
Week concluding 25 February - 1 complaints received													
1	23 February 2022	6pm	Face to Face	7580	12036	Stakeholder has level crossing design width issues and ongoing property concerns. Raised with senior management	Discussions ongoing, Raised with senior management	f2f	23 February 2022	6pm			Ongoing
Week concluding 4 March - 4 complaints received													
1	27 February 2022	3pm	Call to Contractor	7580	70839	Workers taking shortcut across vacant land to access work camp	Contractor identified offending vehicle, raised at daily brief	Call to contractor	27 February 2022	3pm			Closed out
2	28 February 2022	12noon	email to contractor	7581	38425	Workers partially obstructing driveway causing poor visibility at level crossing.	Traffic management plan is approval, onsite workers acknowledged fault. ARTC have advised landowner that this issue has been raised with the construction team and no further incidents have occurred at this site since	Email from contractor	28 February 2022	12noon			Closed out
3	28 February 2022	2pm	Call to contractor	7582	65389	Due to restricted access elsewhere, increased works traffic on this road which is now degraded due to this increase in traffic and weather. Stakeholder requests regular road maintenance to maintain access for locals	ec28/3: 250T gravel was placed and the road was graded. Condition of road now satisfactory. Ongoing monitoring to occur	Call from Contractor	28 February 2022	2pm			Closed out
4	3 March 2022	12noon	Call to contractor	7584	63910,	Driveway Damaged due to contractor truck lost and bogged due to rain.	Driveway repaired immediately with digger. light vehicle parking area moved to ensure access. all relevent workers onformed of the importance of access in this area	F2F	3 March 2022	12noon			Closed out
Week concluding 11 March - 4 complaints received													
1	9 March 2022	4pm	Call to contractor	7916	32009	insufficnt notification re: level crossing, dust, contractor heavy vehicles blocking access	commitment to improve communications and to inform construction crew about parking. Water carts to be monitored as already increased.	Call from Contractor	9 March 2022	4pm			Closed out
2	8 March 2022	5pm	email to contractor	7917	12030	Damage to garden bed due to driveway being used to turn trucks	Complaints added to daily brief, addition info from stakeholder required to compensate/repair	Email from contractor	8 March 2022	6pm			Closed out
3	10 March 2022	9am	SMS to Contractor	7918	68067	Swearing on UHF Channel	UHF channel changed, work crew advised of complaint, added to morning Brief	SMS from Contractor	10 March 2022	9am			Closed out
4	9 March 2022	9am	Call and email to contractor	7919	58520	Temporary road is too narrow due to grade with insufficient sight lines. rasied with Council also	Temporary road no longer required. Stakeholder and Council informed with photo evidence. Stakeholder still feels LX lacks signage and need veg removal. Onsite meeting held 25/3 with contractor and council	Email from contractor	09/03/2022, 18/03/2022, 25/03/2022	5pm			Closed out
Week concluding 18 March - 1 complaints received													
1	15 March 2022	10am	email to contractor	7920	67065	Stakeholder has concerns about Culvert design, LX design width, delayed payment for LX closure, weeds in containment areas, deliation of private land and corridor without fencing	Contractor informed landowner that they have passed on design issues (culverts, corridor deliation and LX) to ARTC. Contractor committed to spraying relevent areas.	Email from contractor	15 March 2022	11am	ongoing conversations, rain delaying work		Ongoing
Complaints before 25 March - 1 complaints received													
1	25 March 2022	10am	SMS	7922	12036	Contractor vehicle driving in the centre of the road not allowing overtaking	Contractor indentified driver and has been spoken to, stakeholder informed.	SMS	25 March 2022	12noon			Closed out
Complaints before 1 April- 1 complaints received													
1	1 April 2022	12noon	Email	7924	60748	Stakeholder reported sight obstruction as he enters his property from the Highway at speed. requests keeping the interface free of traffic/plant	IR acknowledge incident and the ongoing safety concerns and will work with the contractor to mitigate	Email out	1 April 2022	12noon			Closed out
Complaints before 8 April- 2 complaints received													
1	5 April 2022	12noon	Call to Contractor	7926	32009	Pooling of water near driveway	Meeting with nearby residents held in 2021 reviewing drainage design. Confirmed the drainage works will occur in the next day, in preparation for next rain event. This is permanent works.	Call from Contractor	5 April 2022	2pm			Closed out
2	8 April 2022	12noon	Call to Contractor	7928	21004	Stakeholder is against Inland Rail and it's noise and vibration impact on his house.	Contractor explained that he was not triggered as an affected noise and vibreation reciever and constrcution would not compromise his house and that approvals from state and federal gov has already been recieved.	Call from Contractor	8 April 2022	12noon			Closed out
3	3 April 2022	12noon	SMS	7927	58767	Private land was used for works staging/briefing, with no approval or permission from the landowner.	IR spoke to contractor about complaint. IR apologised to stakeholder	Call	3 April 2022	12noon			Closed out
Complaints before 14 April- 3 complaints received													
1	9 April 2022	12noon	Call to Contractor	7929	12036	Water pooling at LX, causing difficult access to farm plant	Immediade dewatering occured onsite, followed by earthworks 2 days later.	Call from Contractor	9 April 2022	12noon			Closed out

2	12 April 2022	12noon	Call to Contractor	7930	67065	Driver behaviour - Contractor trucks driving too fast. Stakeholder reminder to maintain the roadway after construction	Contractor to provide internal coms to slow down	Call from Contractor	12 April 2022	12noon			Closed out
3	14 April 2022	3pm	Call to Contractor	7931	12036	farm plant unable to cross LX, new waterway is now across farm	Site is prepped for stablisation, onsite workers belive the road to be driveable - Earthworks supervisor arranged to meet with stakeholder the following morning (Good Friday). Note: regular on site discussion with earthworks crew, no additional concerns raised to date.	F2F	14-17 Apr 2022	n/a			Closed out
Complaints before 22 April- 5 complaints received													
1	19 April 2022	3pm	Call to Contractor	7932	63114	Trucks using paddock for turning	Investigation found no contractor trucks in the area. Internal comms told of importance of using official turning places	Call from Contractor	19 April 2022	4pm			Closed out
2	21 April 2022	2pm	Call to Contractor	7933	63910	Stakeholder concerned about road damage and pot hole on driveway. Contractor staff also seen giving an offensive finger gesture to stakeholder.	contractor advised that this behaviour is not acceptable and that it will be raised as an issue with Senior Management in addition to Tool Box briefings. Contractor also advised that she would have someone inspect the driveway to see if we can fill in the pot hole.	Call from Contractor	21 April 2022	4pm			Ongoing
3	20 April 2022	10am	Call to Contractor	7934	37364	Stakeholder unhappy with the constructed public LX width and his ability to move plant	After being contacted with the final LX design, stakeholder was happy with the earth works undertaken by the project team and the final width of the crossing.	Call from Contractor	22 April 2022	4pm			Closed out
4	21 April 2022	4pm	Call to Contractor	7935	63038	Newly constructed fencing already falling over	contractor to check current method and seek additional info to rectify	Call from Contractor	21 April 2022	4pm			Ongoing
5	22 April 2022	8am	Call	7936	58520	Unhappy with dust next to Crooble hall causing reduced visibility for drivers.- would like daily water trucks	contractor arranged trucks in the area to be redirected to Crooble. confirmed that there is no deliveries on Sun and Mon. Contractor to monitor dust	Call	22 April 2022	8am			Closed out
Complaints before 29 April- 2 complaints received													
1	27 April 2022	3pm	Email to Contractor	7937	72069	Stakeholder informed principle contractor of specific sub contractot driving too fast through township	Principle Contractor informed sub contractor of complaint and to change their driver behaviour. Contractor responded to Social media comment	Social Media Comment	28 April 2022	12noon			Closed out
2													
Total Complaints since week concluding 15 January 2021													
76													
Total open Complaints since week concluding 15 January 2021													
18													

APPENDIX B – DOCUMENTATION ISSUED BY ER

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) are located within the construction boundary; and
- (b) have been assessed by the ER to have –
 - i. low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and
 - ii. Low environmental impact with respect to waste management and flooding, and
 - iii. No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Bobbiwaa Ballast)
Location:	Junefield Road, (Narrabri, NSW)
Chainage:	CH585.93 - CH586.1
Program*:	Construction: March 2022 Occupation: March 2022 – December 2022
Land Use:	Crown Land within Rail & Road Alignment. (Designated RMS/TfNSW Laydown Area)
Footprint / Size:	<3,250m ²
Use:	<p>Minor Ancillary Facility (Bobbiwaa Ballast) will be utilised for the following purposes:</p> <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ Storage of construction plant and equipment. ▪ Top and Bottom Ballast Stockpiles (20t at any one time).
Site Surroundings:	<p>Minor Ancillary Facility (Bobbiwaa Ballast) is surrounded by:</p> <ul style="list-style-type: none"> ▪ North: Junefield Road, Bobbiwaa Creek, sparsely vegetated land and agricultural (cropping) land, ▪ East: Newell Hwy, agricultural (cropping) land, sparsely vegetated land. ▪ South: Sparsely vegetated land and agricultural (cropping) land. ▪ West: Rail alignment, agricultural (cropping) land, sparsely vegetated land <p>Access to Minor Ancillary Facility (Bobbiwaa Ballast) will be provided North of the MAF via Junefield Road, at Gate 5, CH5861.1. See Appendix D for construction gate locations.</p>

	Entry/Exit will be operated as per Vehicle Movement Plan in Appendix E, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix F.
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers (including vehicular traffic). If the visual impact is deemed moderate or high, ATF style fencing or concrete/water-filled barriers and anti-gawking screens will be installed. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Bobbiwaa Ballast).</p>

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Bobbiwaa Ballast) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>Two sensitive (residential) receivers were identified within 1km of the proposed MAF (Bobbiwaa Ballast) site.</p> <ul style="list-style-type: none"> - 552.41m NN3_Rx0735 - 653.69m NNS_Rx0736 <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (Bobbiwaa Ballast). One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – operation) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p><i>Scenario 1: MAF Operation (i.e Truck >20tonne, Front End Loader).</i></p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - Sensitive receivers are located at the following locations: <ul style="list-style-type: none"> ○ CH586.5 (NN3_Rx0735), located 552.41m North-East of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 32dB, which is 8dB below the daytime NML for the Project. Refer to Appendix C.

Criteria	Compliant (Y) Yes (N) No	Comments
		<ul style="list-style-type: none"> CH586.5 (NN3_Rx0735), located 653.69m North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 30dB, which is 10dB below the daytime NML for the project. The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works. <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Bobbiwaa Ballast).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Bobbiwaa Ballast) is located approximately 148m South of Bobbiwaa Creek.</p> <p>The proposed MAF (Bobbiwaa Ballast) site lies outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <3,100m² (~95.4%) of the proposed MAF (Bobbiwaa Ballast) site is mapped as</p> <ul style="list-style-type: none"> Zone 0 – Cleared/Non-native Vegetation <p>Approximately <150m² (~4.6%) of the MAF (Bobbiwaa Ballast) site is mapped as</p> <ul style="list-style-type: none"> Zone - 9 - PCT-135 BVT-BR284, NA271-Coobah - Western Rosewood low open tall shrubland or woodland mainly on outwash areas in the Brigalow Belt South Bioregion-Moderate - Good <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Bobbiwaa Ballast) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Bobbiwaa Ballast) site.</p> <p>Highlighted in Appendix 2 Cultural Heritage, yellow indicates a desktop survey has occurred and cultural heritage is deemed to be cleared.</p> <p>The <i>Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Access to Minor Ancillary Facility (Bobbiwaa Ballast) will be provided North of the MAF via Junefield Road, at Gate 5, CH5861.1. See Appendix D for construction gate locations.</p> <p>Entry/Exit will be operated as per Vehicle Movement Plan in Appendix E, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix F.</p>

Criteria	Compliant (Y) Yes (N) No	Comments
Relatively flat land	Y	Minor Ancillary Facility (Bobbiwaa Ballast) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Bobbiwaa Ballast) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> Wastewater Wastepaper / cardboard Rubbish and debris Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Bobbiwaa Ballast) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	<p>Minor Ancillary Facility (Bobbiwaa Ballast) will be assessed for visual impact from any surrounding sensitive receivers (including vehicular traffic). Screening will be applied where the MAF site represents a moderate to high visual impact.</p> <p>Anti-gawking screening will be applied when were required by a TfNSW approval. See appendix G</p>

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Bobbiwaa Ballast) include:

- Dust and associated impacts to air quality resulting from access and use;
- Mud tracking onto public roads associated with access and use of the MAF; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:	Environmental Manager	Pre-construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<ul style="list-style-type: none"> Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan Waste Management The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. The No-Go Zones for the Project, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. Hours of operation. General noise related mitigation measures. 		
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
11)	Refuelling activities must not take place within 50m of waterways, and always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	<p>Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 	Environmental Manager / Construction Supervisor	Construction
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers. Anti-gawking screens will be applied where required by a TfNSW Approval. Refer to appendix G.	Environment Manager / Construction Supervisor	Construction
20)	<p>Within the proposed MAF (Bobbiwaa Ballast) site a total area of <3,100m² (~95.4%) was identified as <i>Zone 0- Cleared/Non-native Vegetation</i>, and a total area of 150m² (~4.6%) was identified as <i>Zone - 9 - PCT-135 BVT-BR284, NA271-Coobah - Western Rosewood low open tall shrubland or woodland mainly on outwash areas in the Brigalow Belt South Bioregion-Moderate - Good</i></p> <p>NOTE: As this is within the SPIR CIZ this have been accounted for in the Project's Approval and if removal is required will be offset under the projects Biodiversity Offset Strategy</p>	Environmental Works team	Construction

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Adam Playne

Position: Trans4m Rail Senior Environmental Advisor

Date: 30/03/2022

Signed: 

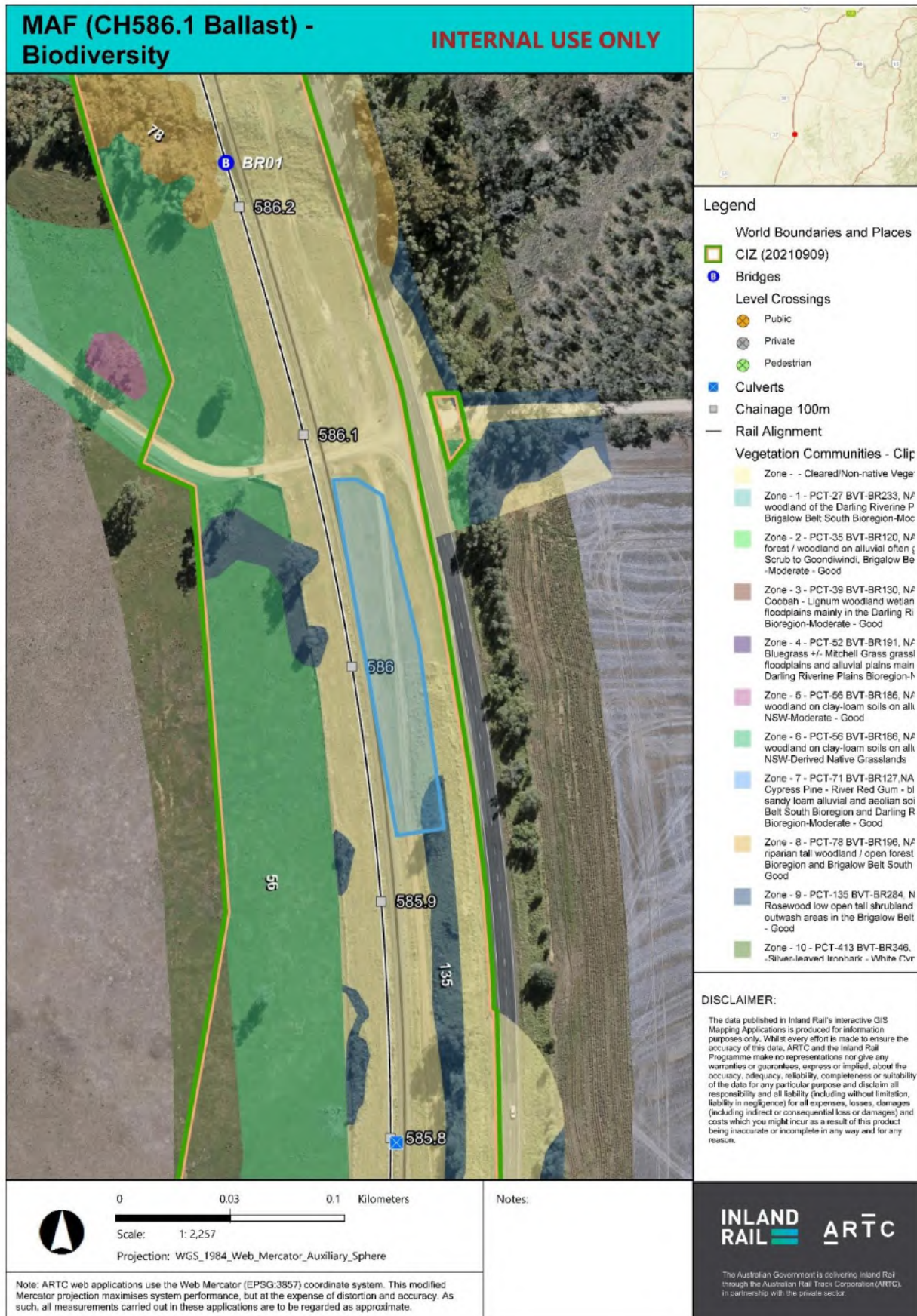
Name: Steve Fermio

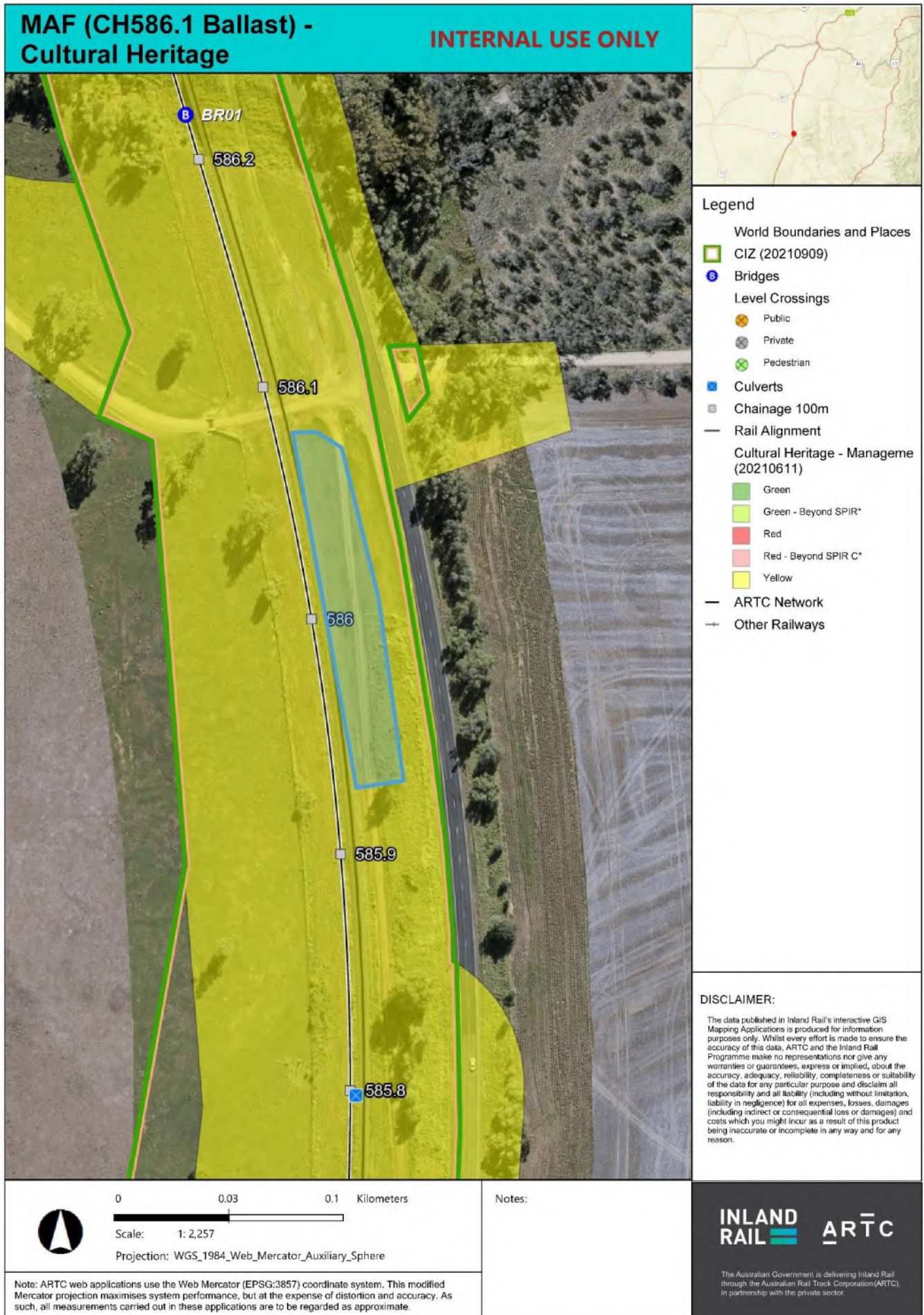
Position: Environmental Representative

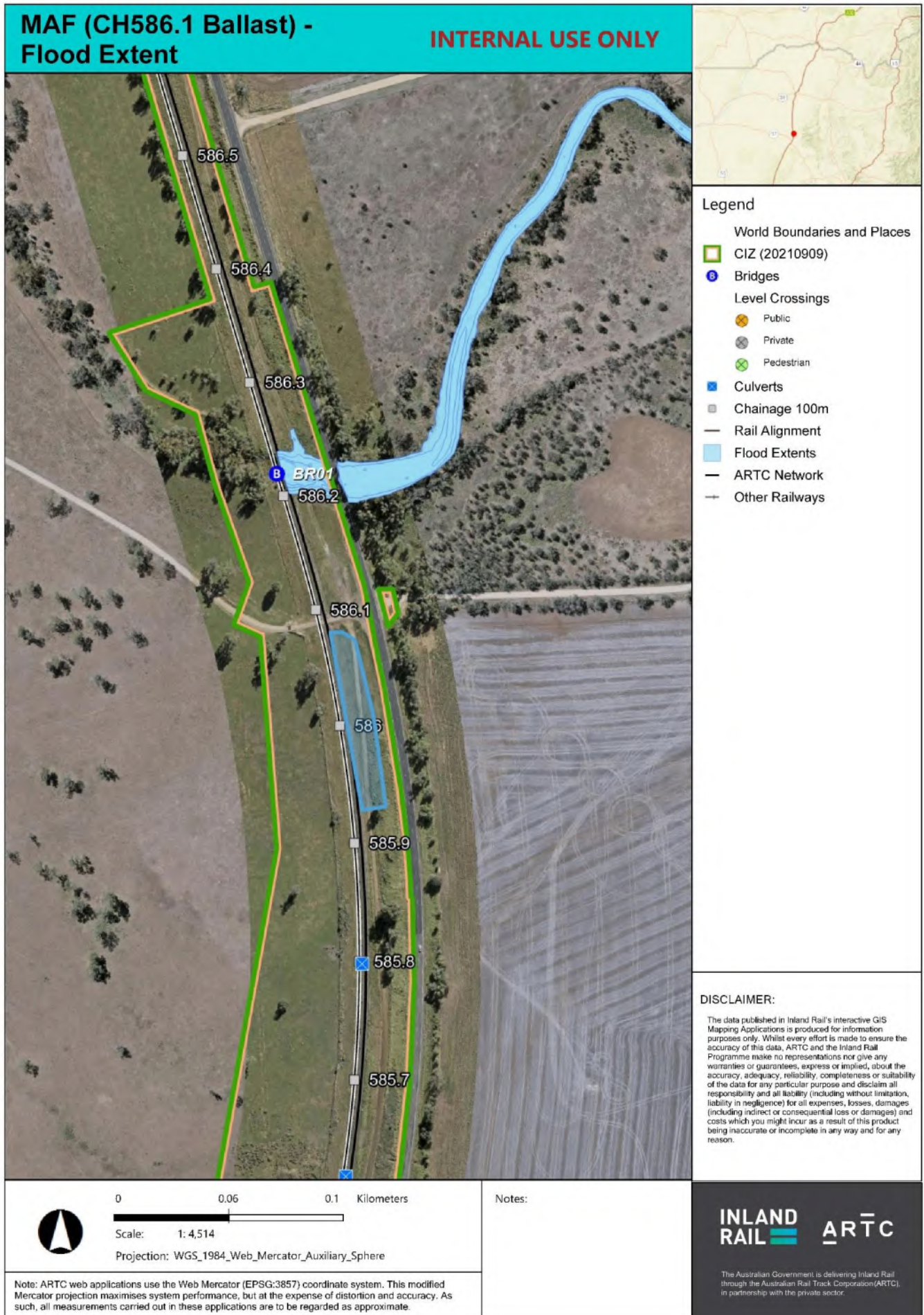
Date: 1 / 4 /2022

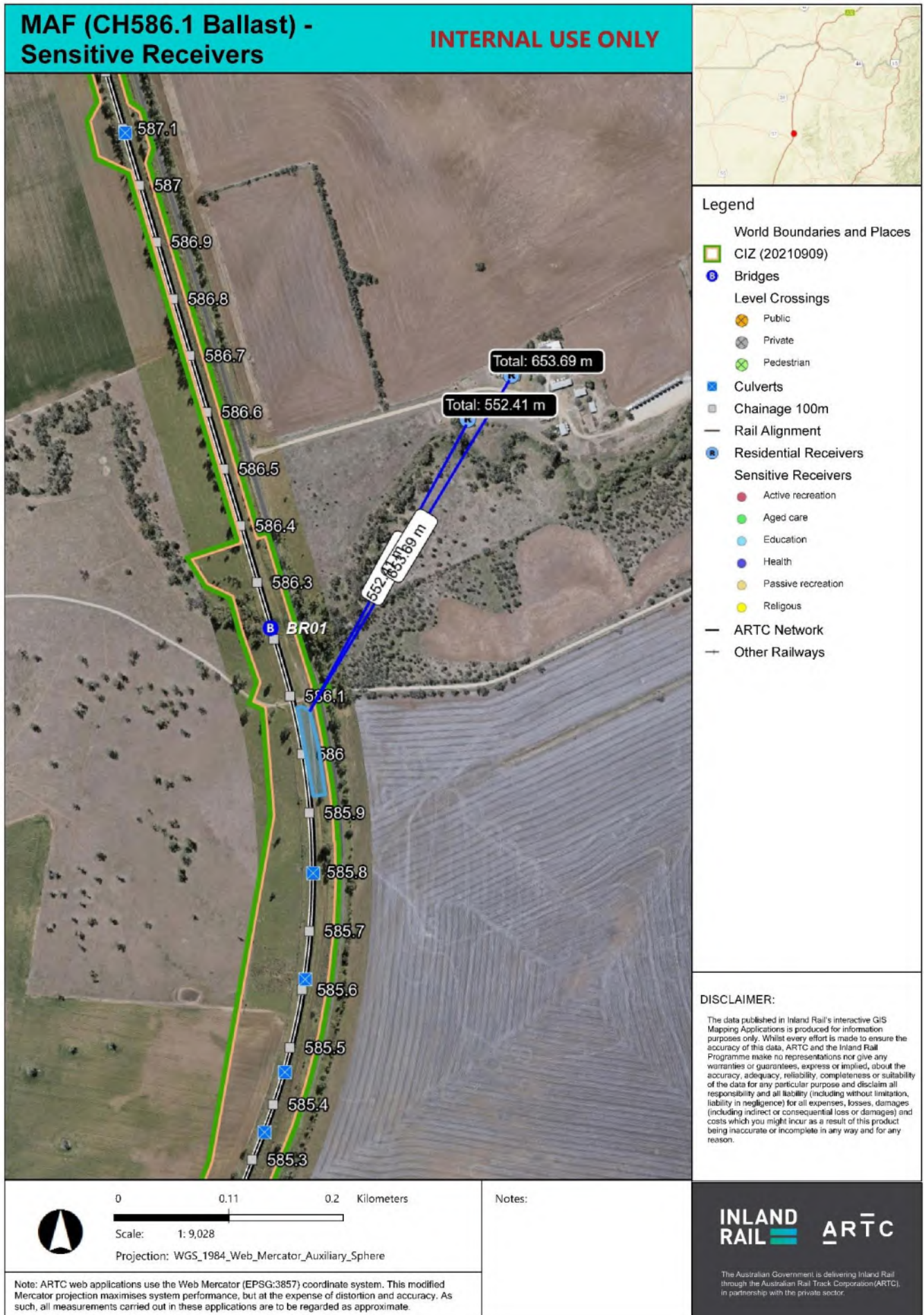
Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

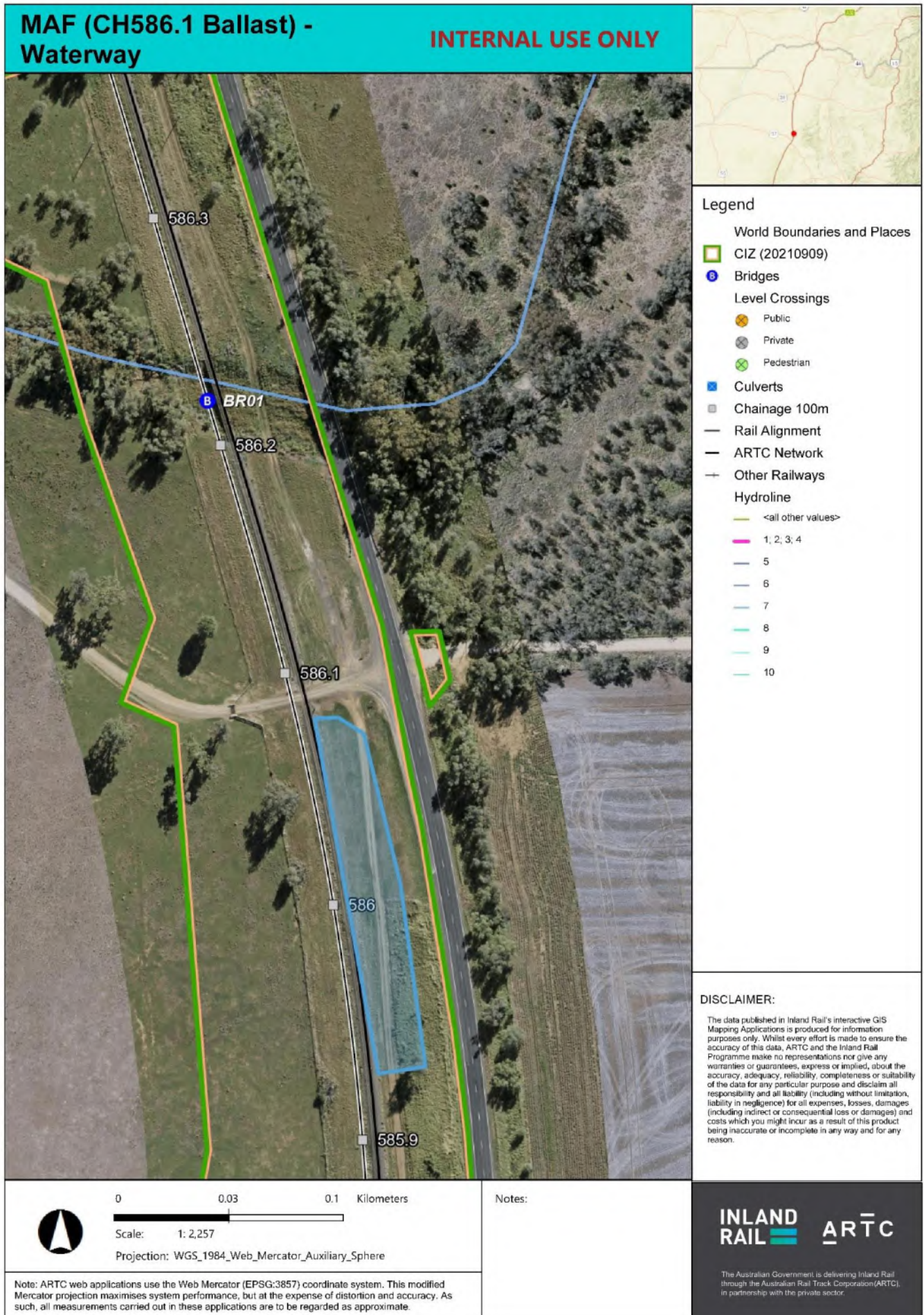
Appendix A: Site Location (incl. Environmentally Sensitive Areas)











Appendix B: Site Location (Co-ordinates)

1	Lat: 30.18034° S Lon: 149.82006° E
2	Lat: 30.18040° S Lon: 149.82028° E
3	Lat: 30.18167° S Lon: 149.82055° E
4	Lat: 30.18169° S Lon: 149.82034° E

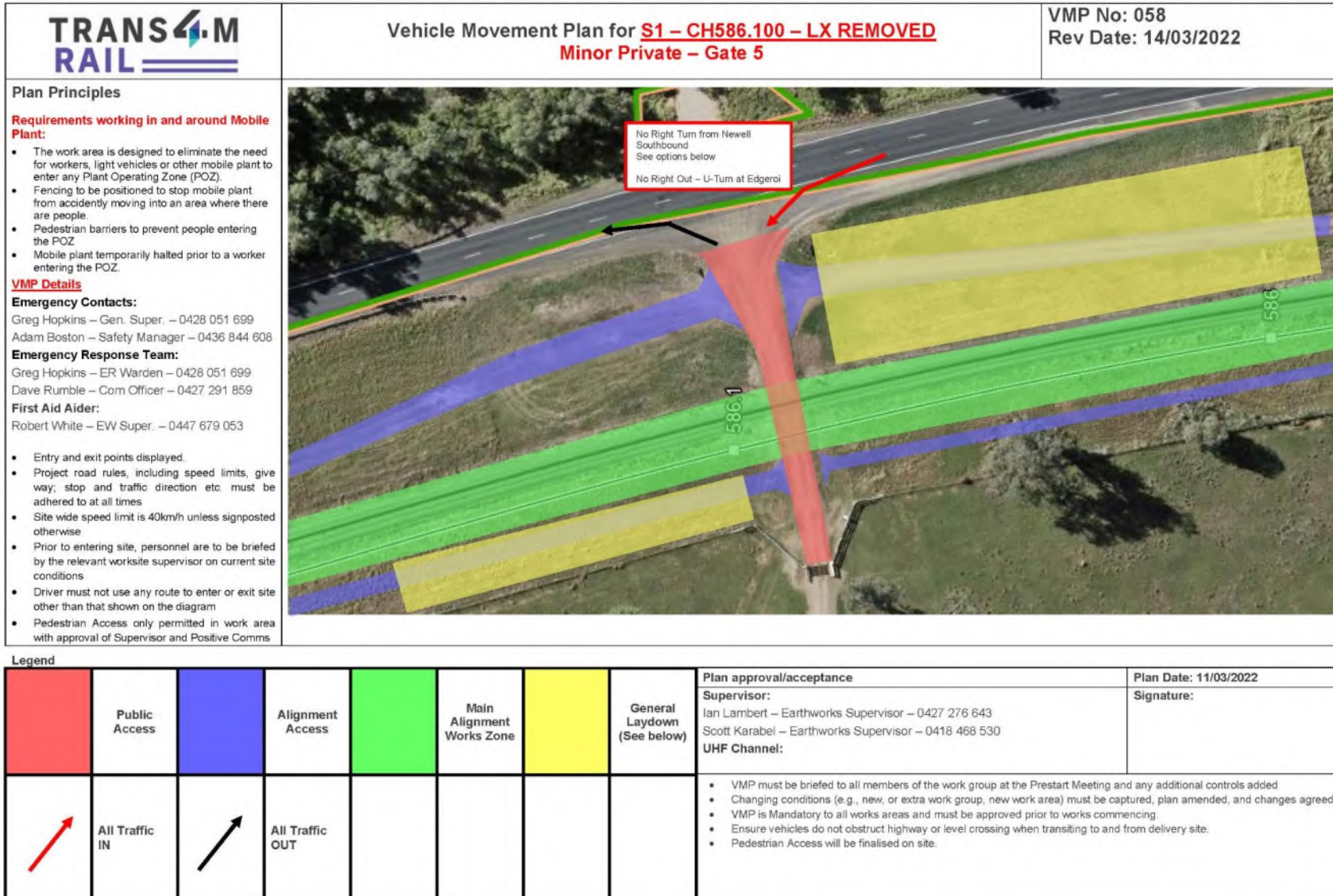
Appendix C: Noise Estimator



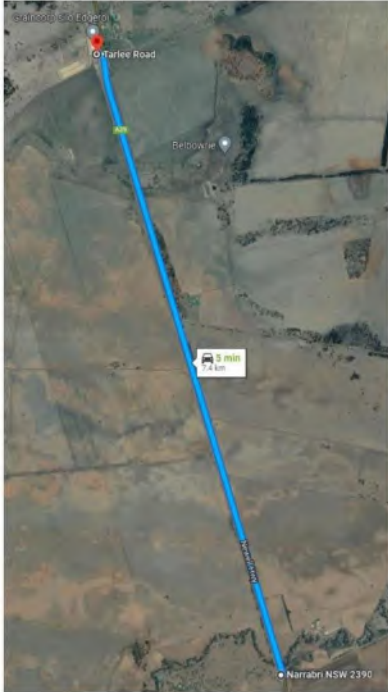
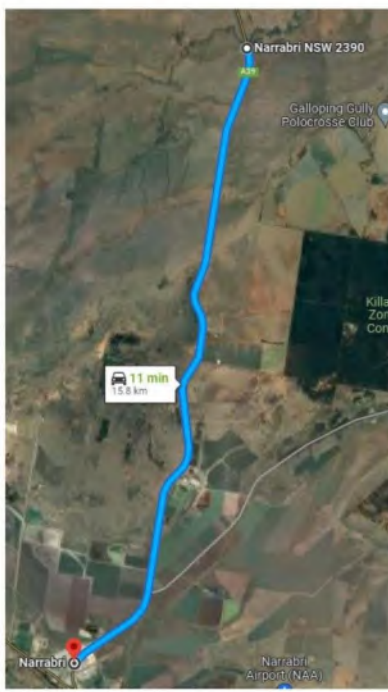















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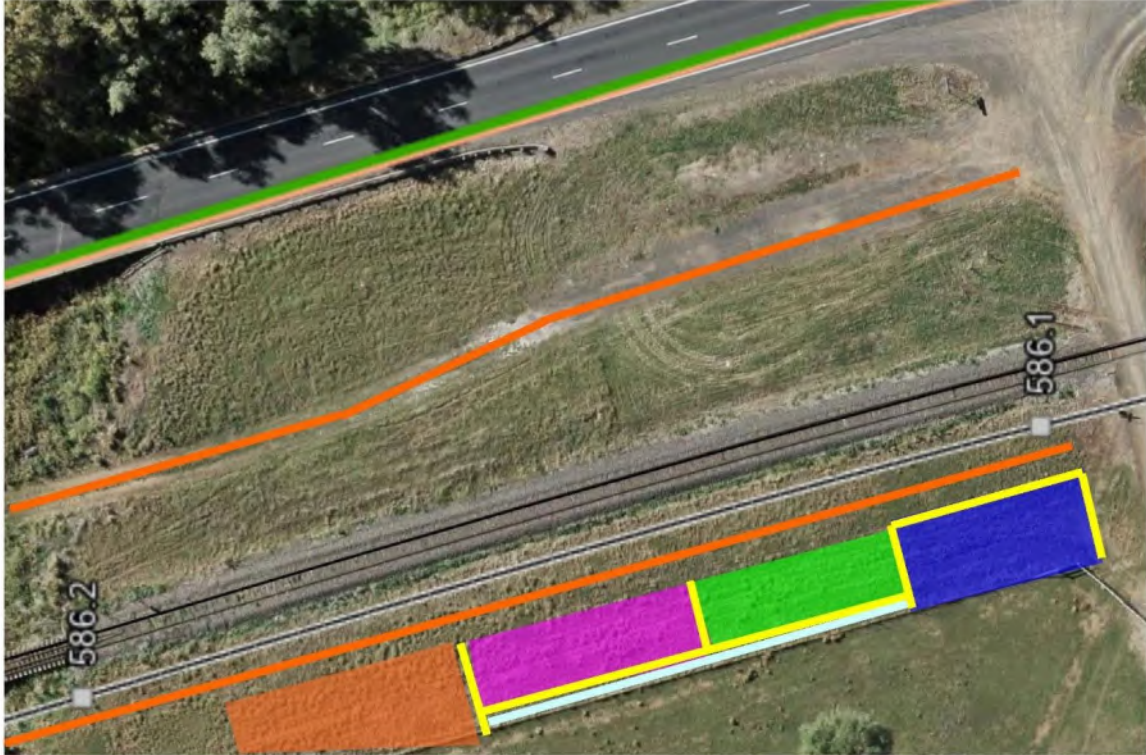
Appendix D: Construction Gate Locations



Gate	Type	LX Number	Road Name	Treatment
575900	Major	LX3054	Private	BAR/BAL
578000	Minor	LX3055	Private	BAL
580400	Minor	LX3056	Private	BAL
582900	Minor	NA	NA	BAL
584600	Minor	LX3057	Private	BAL
585000	Major	LX3058	Private	BAR/BAL
586100	Minor	NA	NA	BAL
588600	Minor	LX3059	Private	BAL
589700	Minor	LX3060	Private	BAL
593400	Major	LX543	Tarlee Rd	AUR/AUL
595000	Minor	LX3061	Private	BAL
596600	Major	LX1827	Moree Rd	BAR/BAL
596900	Minor	NA	NA	Exit only
596900	Minor	NA	Private	BAL
598500	Minor	LX544	Galathera Lane	BAR/BAL
599700	Major	NA	NA	BAR/BAL
600350	Minor	NA	Private	BAL
601400	Minor	NA	NA	BAL
603000	Major	LX545	The Clump Rd	AUR/AUL
605500	Minor	NA	NA	BAL
608200	Minor	NA	NA	Entry/Exit Only
609300	Major	LX546	Ten Mile Lane	BAL/BAR
613100	Major	LX547	Tremayne Property	BAR/BAL
613700	Minor	LX548	Private	BAL
616000	Minor	LX549	Millie Rd	AUR/AUL
617500	Minor	LX550	Old Newell Hwy	BAR/BAL
621200	Major	LX3065	Private	AUR/AUL
625500	Major	LX552	Penneys Rd	CHR/CHL

Appendix E: Vehicle Movement Plan



		Vehicle Movement Plan for <u>S1 – CH586.100 – LX REMOVED</u> Minor Private – Gate 5				VMP No: 058 Rev Date: 14/03/2022															
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053		Southbound Traffic – Site Entry Options: Enter at Gate 4 – south, after LX – Right Turn OK 		Enter at Edgeroi Gate – north, before LX – Right Turn OK 		U-Turn at Narrabri 															
Legend <table border="1"> <tr> <td></td> <td>Public Access</td> <td></td> <td>Alignment Access</td> <td></td> <td>Main Alignment Works Zone</td> <td></td> <td></td> </tr> <tr> <td></td> <td>All Traffic IN</td> <td></td> <td>All Traffic OUT</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Public Access		Alignment Access		Main Alignment Works Zone				All Traffic IN		All Traffic OUT					Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:		Plan Date: 12/03/2022 Signature:	
	Public Access		Alignment Access		Main Alignment Works Zone																
	All Traffic IN		All Traffic OUT																		
		<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 																			

	Vehicle Movement Plan for <u>S1 – CH586.100 – LX REMOVED</u> Minor Private – Gate 5	VMP No: 058 Rev Date: 14/03/2022																							
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 		<p>Legend</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: orange; width: 20px;"></td> <td style="text-align: center;">Materials Laydown</td> <td style="background-color: blue; width: 20px;"></td> <td style="text-align: center;">Crib Facilities</td> <td style="background-color: green; width: 20px;"></td> <td style="text-align: center;">LV Carpark</td> <td style="background-color: magenta; width: 20px;"></td> <td style="text-align: center;">HV Carpark</td> </tr> <tr> <td style="background-color: brown; width: 20px;"></td> <td style="text-align: center;">Lime Storage</td> <td style="background-color: grey; width: 20px;"></td> <td style="text-align: center;">Ballast</td> <td style="background-color: yellow; width: 20px;"></td> <td style="text-align: center;">Delineation</td> <td style="background-color: lightblue; width: 20px;"></td> <td style="text-align: center;">Pedestrian Access</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;"></td> <td style="text-align: center;">Mixed Access</td> <td rowspan="3" style="vertical-align: top;"> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> </tr> <tr> <td style="width: 20px;"></td> <td style="text-align: center;">LV Access</td> </tr> <tr> <td style="width: 20px;"></td> <td style="text-align: center;">HV Access</td> </tr> </table> <p>Solid 2-Way Dash 1-Way</p>		Materials Laydown		Crib Facilities		LV Carpark		HV Carpark		Lime Storage		Ballast		Delineation		Pedestrian Access		Mixed Access	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 		LV Access		HV Access
	Materials Laydown		Crib Facilities		LV Carpark		HV Carpark																		
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	LV Access																								
	HV Access																								
<p>Plan approval/acceptance</p> <p>Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530</p> <p>UHF Channel:</p>								<p>Plan Date: 11/03/2022</p> <p>Signature:</p>																	

	Vehicle Movement Plan for <u>S1 – CH586.100 – LX REMOVED</u> Minor Private – Gate 5	VMP No: 058 Rev Date: 14/03/2022																				
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way; stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 																						
<p>Legend</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">Materials Laydown</td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">Crib Facilities</td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">LV Carpark</td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">HV Carpark</td> <td style="width: 20%;"> Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel: </td> <td style="width: 20%;"> Plan Date: 11/03/2022 Signature: </td> </tr> <tr> <td></td> <td style="text-align: center;">Lime Storage</td> <td></td> <td style="text-align: center;">Ballast</td> <td></td> <td style="text-align: center;">Delineation Pedestrian Access</td> <td></td> <td style="text-align: center;">Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way</td> <td colspan="2"> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> </tr> </table>				Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:		Lime Storage		Ballast		Delineation Pedestrian Access		Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
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Appendix F: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 1 YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- 2 THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- 3 ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- 4 SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greatersydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN. CONTACT: road.access@transport.nsw.gov.au.
- 5 NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- 6 ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- 7 EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- 8 THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- 9 ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift				To Shift			
From	D	M	Time	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	22	Mar 00:00
Tue	22	Mar	00:00	-	Wed	23	Mar 00:00
Wed	23	Mar	00:00	-	Thu	24	Mar 00:00
Thu	24	Mar	00:00	-	Fri	25	Mar 00:00
Fri	25	Mar	00:00	-	Sat	26	Mar 00:00
Sat	26	Mar	00:00	-	Sun	27	Mar 00:00
Sun	27	Mar	00:00	-	Mon	28	Mar 00:00
Mon	28	Mar	00:00	-	Tue	29	Mar 00:00
Tue	29	Mar	00:00	-	Wed	30	Mar 00:00
Wed	30	Mar	00:00	-	Thu	31	Mar 00:00
Thu	31	Mar	00:00	-	Fri	01	Apr 00:00
Fri	01	Apr	00:00	-	Sat	02	Apr 00:00
Sat	02	Apr	00:00	-	Sun	03	Apr 00:00
Sun	03	Apr	00:00	-	Mon	04	Apr 00:00
Mon	04	Apr	00:00	-	Tue	05	Apr 00:00
Tue	05	Apr	00:00	-	Wed	06	Apr 00:00
Wed	06	Apr	00:00	-	Thu	07	Apr 00:00
Thu	07	Apr	00:00	-	Fri	08	Apr 00:00
Fri	08	Apr	00:00	-	Sat	09	Apr 00:00
Sat	09	Apr	00:00	-	Sun	10	Apr 00:00
Sun	10	Apr	00:00	-	Mon	11	Apr 00:00
Mon	11	Apr	00:00	-	Tue	12	Apr 00:00
Tue	12	Apr	00:00	-	Wed	13	Apr 00:00
Wed	13	Apr	00:00	-	Thu	14	Apr 00:00
Thu	14	Apr	00:00	-	Fri	15	Apr 00:00
Fri	15	Apr	00:00	-	Sat	16	Apr 00:00

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**
Transport
Roads & Maritime
Services

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.
Reduced To : 80 Km/h

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

	From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.
Reduced To : 60 Km/h

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

	From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/002**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SAZ NO : 556329/003
ROADS & MARITIME SERVICES (RMS)
Phone: Monday To Friday 8.30 AM - 4.30 PM

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION
SPEED LIMIT REDUCTION

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) are located within the construction boundary; and
- (b) have been assessed by the ER to have –
 - i. low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and
 - ii. Low environmental impact with respect to waste management and flooding, and
 - iii. No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Bobbiwaa South Caravan)
Location:	CH582.9 (Narrabri, NSW)
Chainage:	CH582.85 – CH583
Program*:	Construction: March 2022 Occupation: March 2022 – April 2023
Land Use:	RU1 – Primary Production (Source: Narrabri Shire Council LEP)
Footprint / Size:	< 2,300m ²
Use:	Minor Ancillary Facility (Bobbiwaa South Caravan) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage
Site Surroundings:	<p>Minor Ancillary Facility (Bobbiwaa South Caravan) is surrounded by:</p> <ul style="list-style-type: none"> ▪ North: Rail line, BR04, agricultural (cropping) land, Newell Highway, and private road. ▪ East: Rail line, access gate, Newell Highway and agricultural (cropping) land. ▪ South: Rail line, sparsely vegetated land, agricultural (cropping) land, and Spring Creek. ▪ West: Sparsely vegetated land, private unsealed road, and agricultural (cropping) land. <p>Access to Minor Ancillary Facility (Bobbiwaa South Caravan) will be provided via access Gate 3 at LX3055, off of the Newell Highway.</p> <p>Entry/Exit will be operated as per Vehicle Movement Plan in Appendix C, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix D.</p>

Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. ▪ Unless specified in a TfNSW approval, anti-gawking screens will not be applied adjacent this MAF location. The need for anti-gawking screens has been risk assessed by a suitably qualified and experienced Traffic Engineer. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Bobbiwaa South Caravan).</p>
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*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Bobbiwaa South Caravan) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>There are no sensitive (residential) receivers identified within 1km of the proposed MAF (Bobbiwaa South Caravan) site.</p> <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Bobbiwaa South Caravan).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Bobbiwaa South Caravan) is located approximately 225 metres north of Spring Creek.</p> <p>The proposed MAF (Bobbiwaa South Caravan) site lies outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <2,205m² (~95%) of the proposed MAF (Bobbiwaa South Caravan) site is mapped as:</p> <ul style="list-style-type: none"> - <i>Zone- -Cleared/Non-native Vegetation.</i> <p>And approximately 95m (~5%) of the proposed MAF (Bobbiwaa South Caravan) site is mapped as:</p> <ul style="list-style-type: none"> - <i>Zone - 6 - PCT-56 BVT-BR186, NA182-Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW-Derived Native Grasslands</i> <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC’s Biodiversity Offset Strategy.</p>

Criteria	Compliant (Y) Yes (N) No	Comments
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Bobbiwaa South Caravan) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Bobbiwaa South Caravan) site. <i>The Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i> , dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	Access to Minor Ancillary Facility (Bobbiwaa South Caravan) will be available south of the MAF (Bobbiwaa South Caravan) site at LX3055, access Gate 3, off the Newell Highway. Refer to Appendix C for further details.
Relatively flat land	Y	Minor Ancillary Facility (Bobbiwaa South Caravan) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	The establishment and operation of the proposed MAF (Bobbiwaa South Caravan) will generate minor waste volumes. These waste streams will generally consist of the following: <ul style="list-style-type: none"> Wastewater Wastepaper / cardboard Rubbish and debris Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Bobbiwaa South Caravan) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	Minor Ancillary Facility (Bobbiwaa South Caravan) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Bobbiwaa South Caravan) include:

- Dust and associated impacts to air quality resulting from access and use; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management: <ul style="list-style-type: none"> • Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) • The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan • Waste Management • The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. • The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. • Hours of operation. • General noise related mitigation measures. 	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail's CPESC and implemented prior to and during site establishment.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	works affecting the find must cease immediately, the area secured, and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.		
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable. Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP. In addition to this, the following measures will be undertaken; <ul style="list-style-type: none"> Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). Where practicable, soil binder will be used on highly trafficked areas. Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 	Environmental Manager / Construction Supervisor	Construction
14)	The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents. The frequency of use will be modified depending on the prevailing wind and weather conditions. If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers.	Environment Manager / Construction Supervisor	Construction

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: *MW*

Name: Maggie Wilton

Position: Trans4m Environment & Sustainability Administration Assistant

Date: 01/04/2022



Signed:

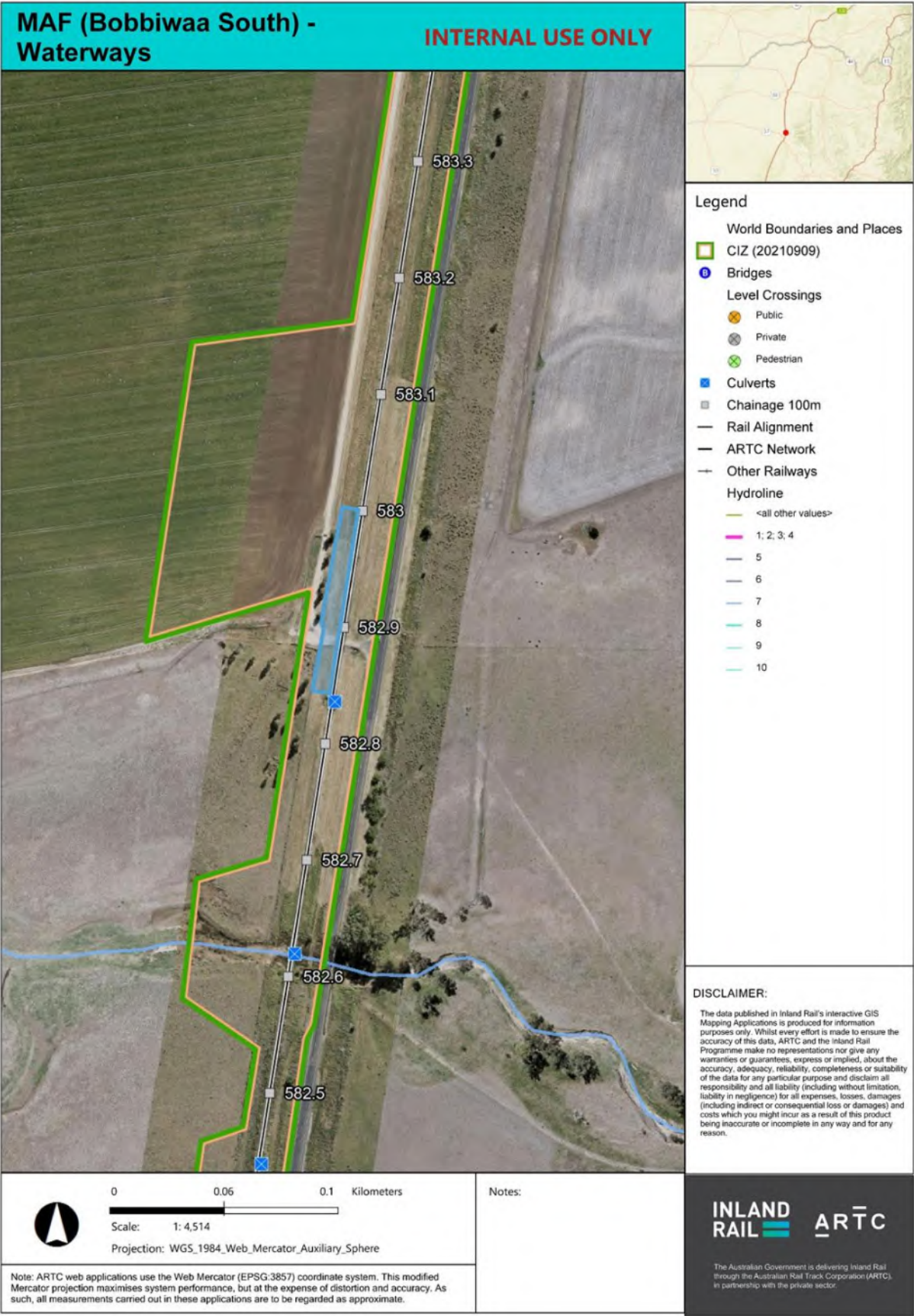
Name: Steve Fermio

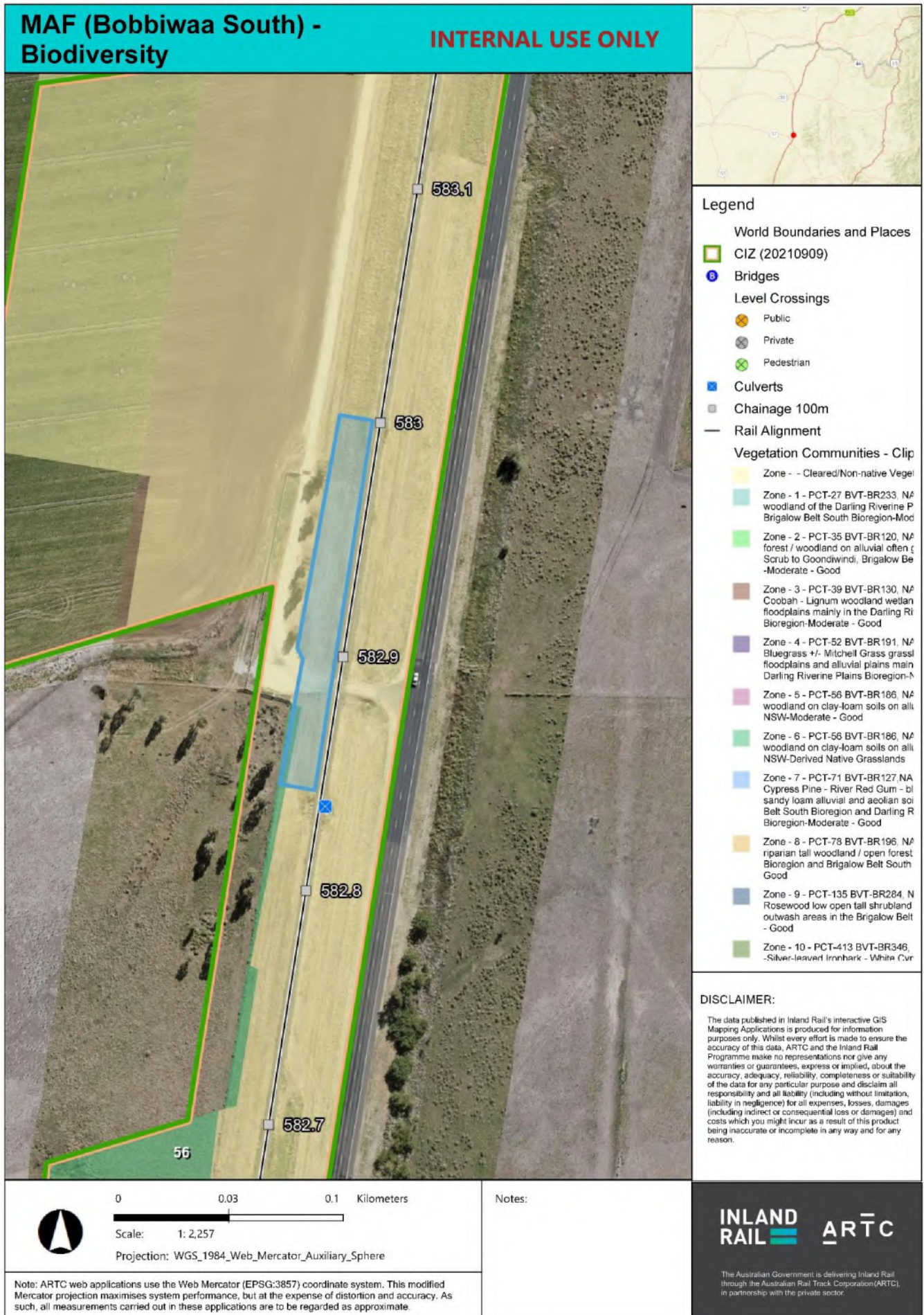
Position: Environmental Representative

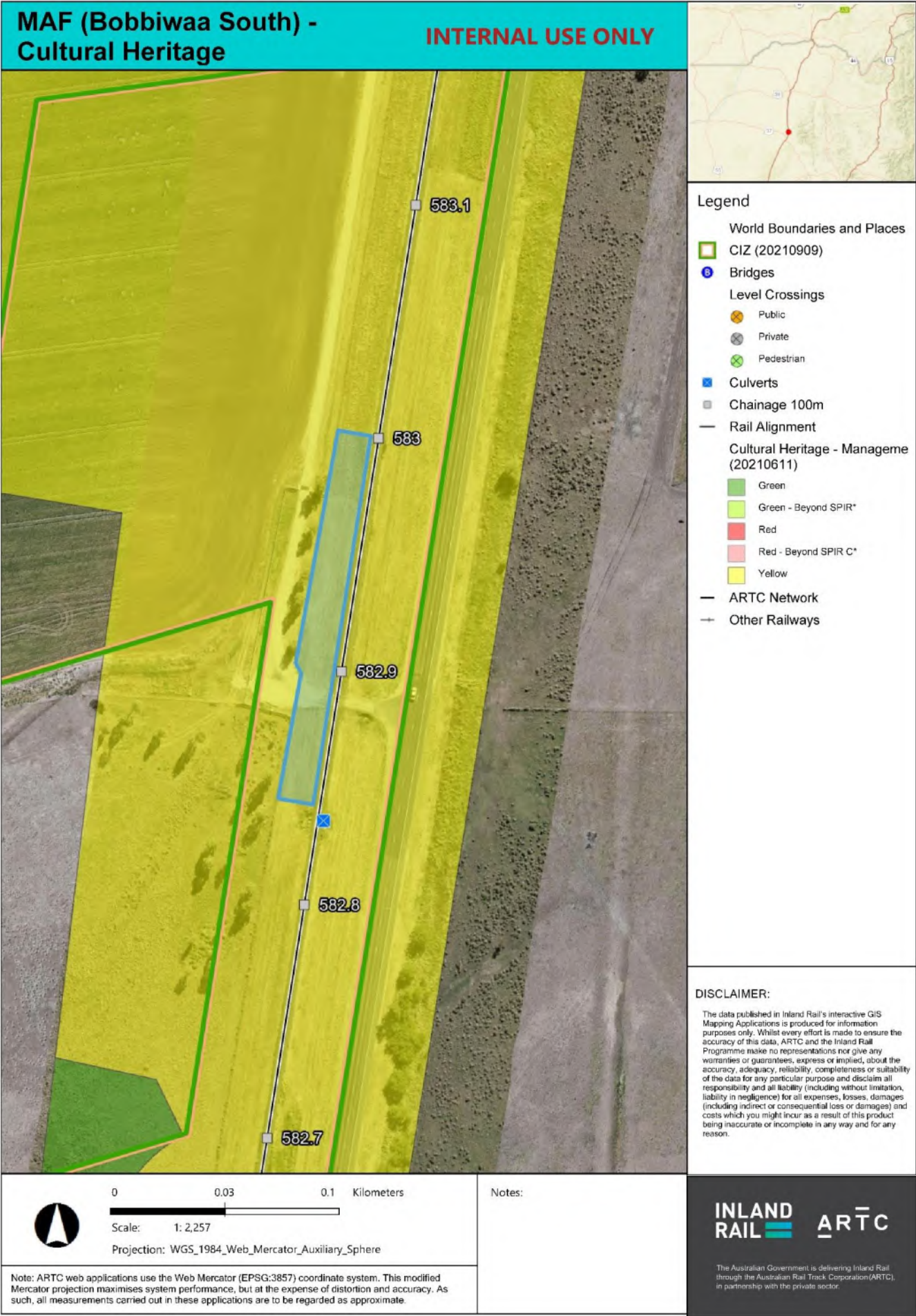
Date: 7 / 4 /2022

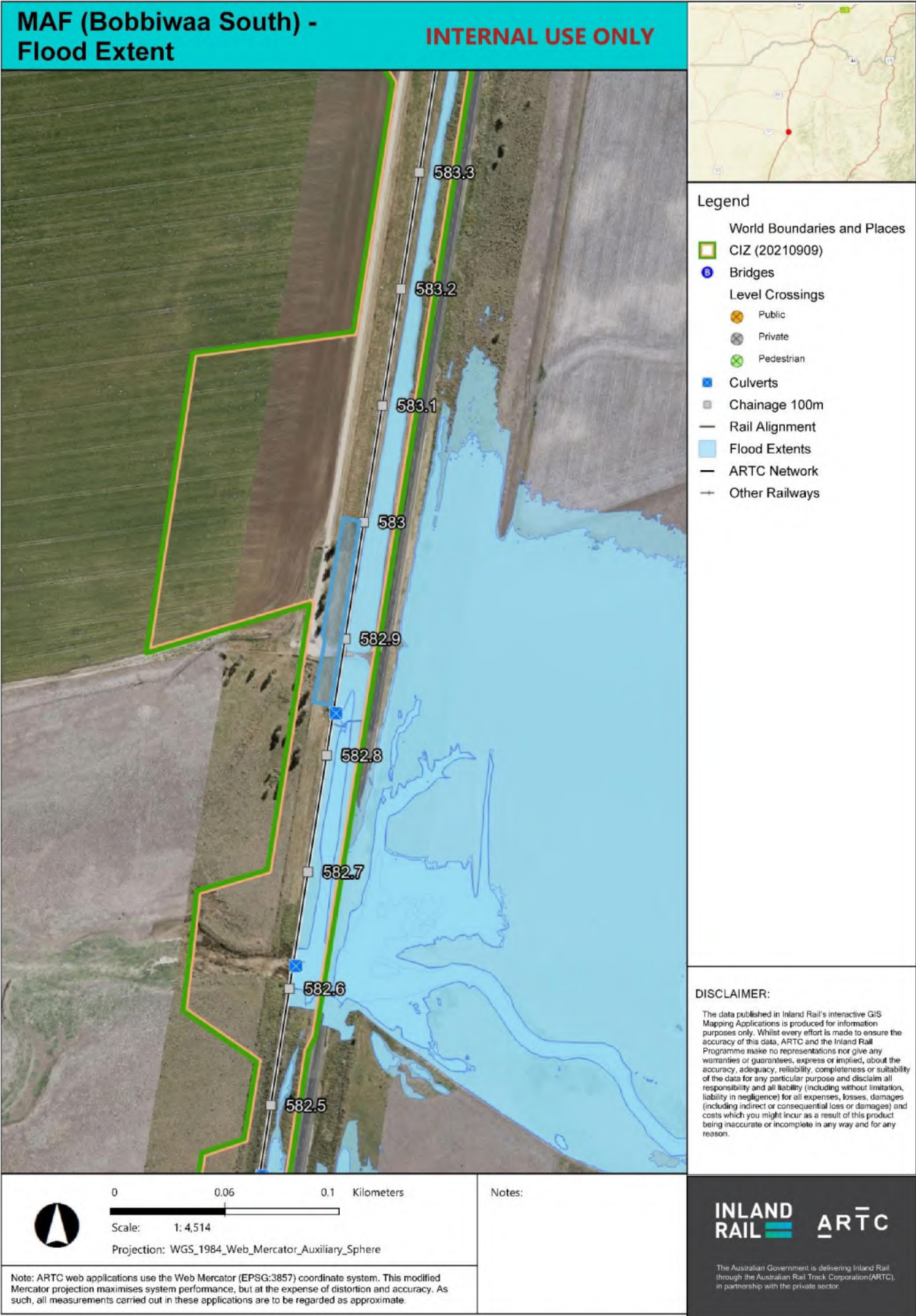
Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

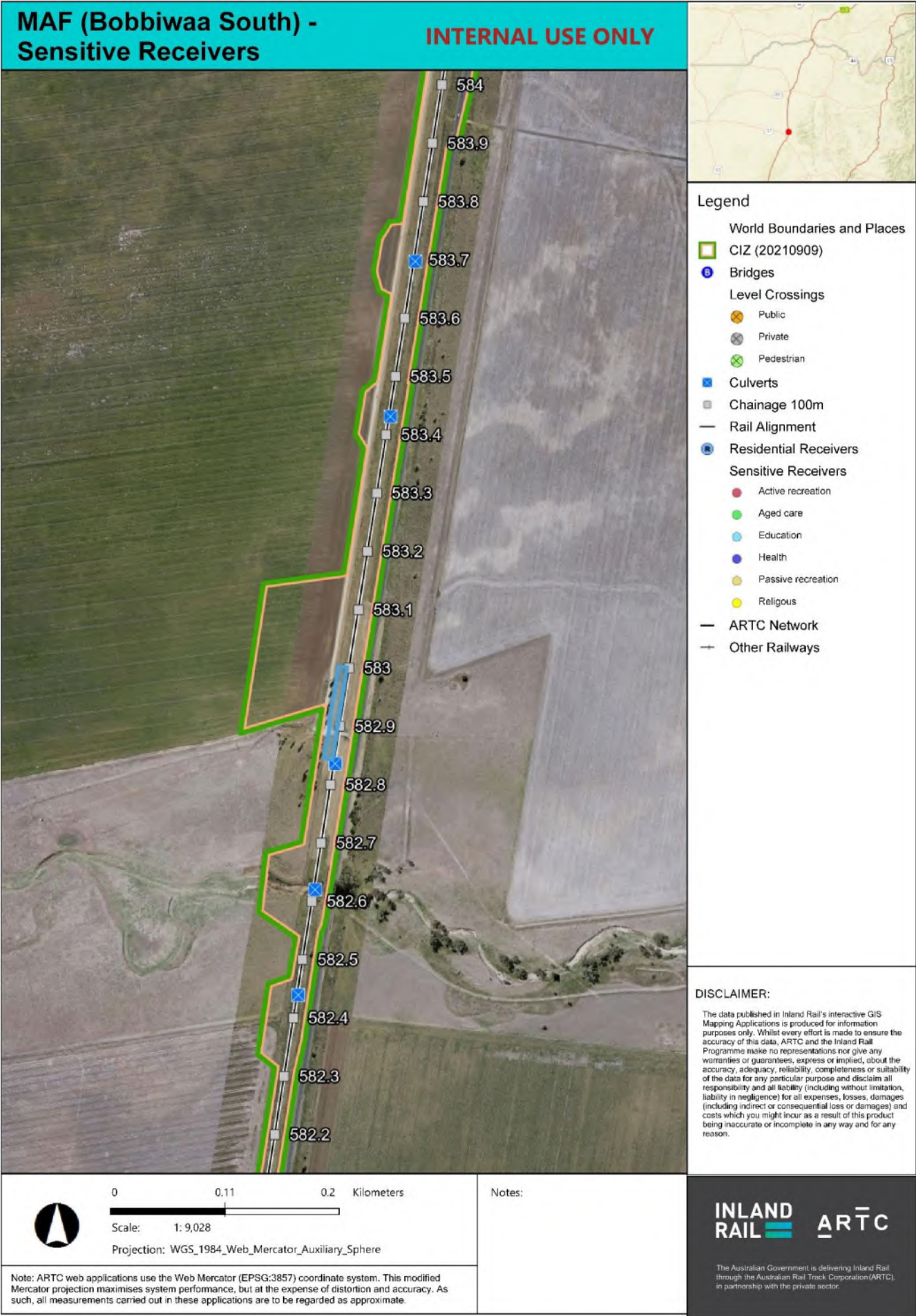
Appendix A: Site Location (incl. Environmentally Sensitive Areas)


















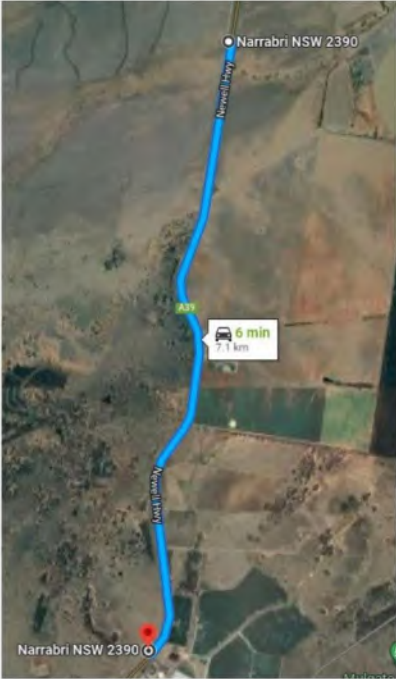
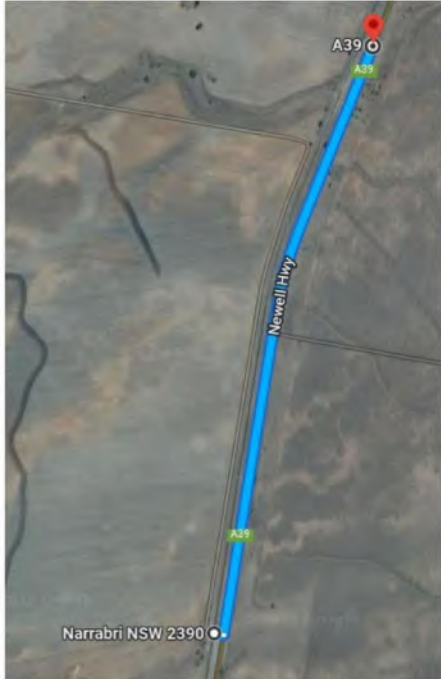
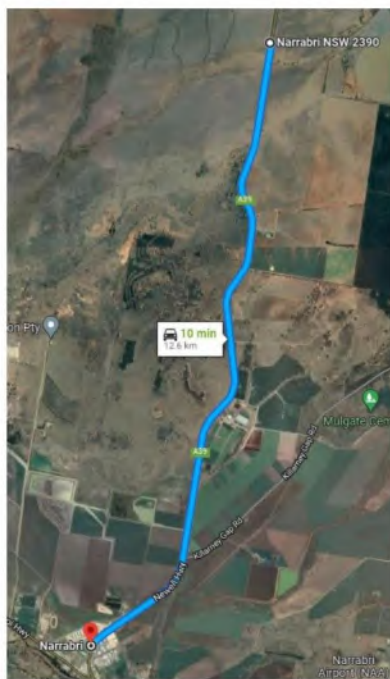








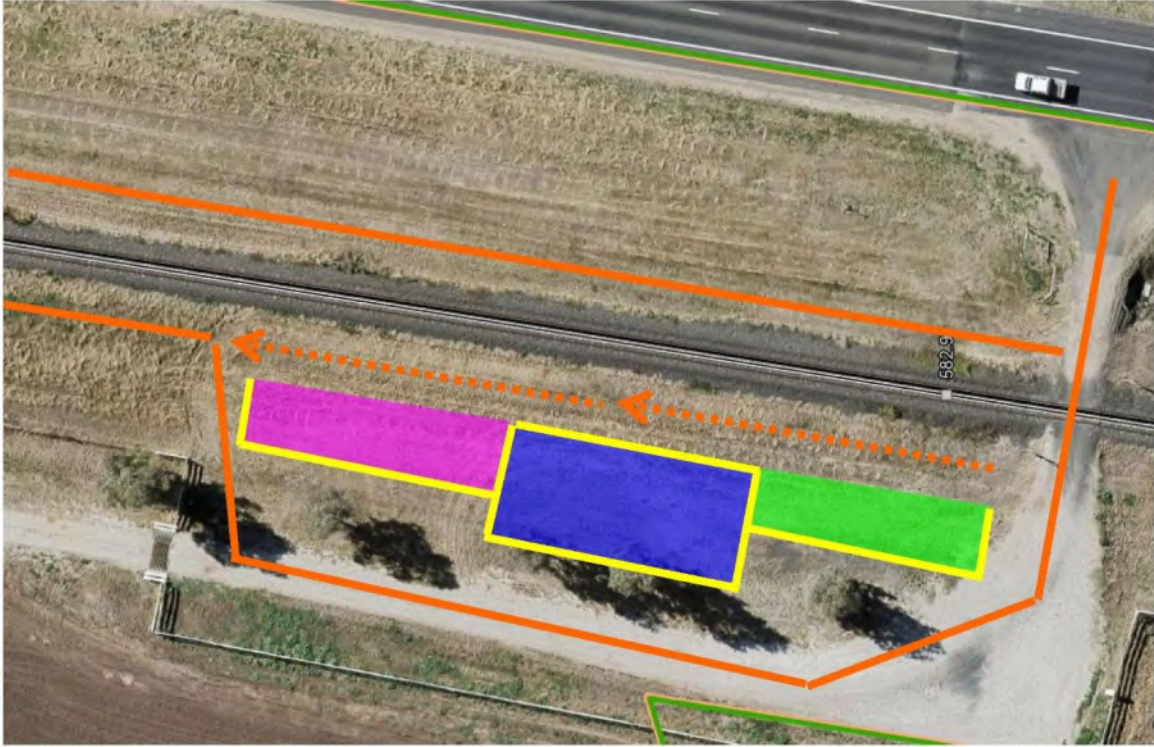
Appendix B: Site Location (Co-ordinates)

1	Lat: 30.20710° S Lon: 149.81286° E
2	Lat: 30.20712° S Lon: 149.81301° E
3	Lat: 30.20853° S Lon: 149.81275° E
4	Lat: 30.20850° S Lon: 149.81260° E

Appendix C: Vehicle Movement Plan

		Vehicle Movement Plan for <u>S1 – CH582.900 – LX REMOVED</u> Minor Private – Gate 3				VMP No: 055 Rev Date: 14/03/2022			
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053									
Legend									
	Public Access		Alignment Access		Main Alignment Works Zone		General Laydown (See below)	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

		Vehicle Movement Plan for <u>S1 – CH582.900 – LX REMOVED</u> Minor Private – Gate 3		VMP No: 055 Rev Date: 14/03/2022	
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053		Southbound Traffic – Site Entry Options: Enter at Gate 1 – south, after LX – Right Turn OK 		Enter at Gate 4 – north, before LX – Right Turn OK 	
		U-Turn at Narrabri 			
Legend					
	Public Access		Alignment Access		Main Alignment Works Zone
	All Traffic IN		All Traffic OUT		
				Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	
				Plan Date: 12/03/2022 Signature:	
<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 					

	Vehicle Movement Plan for <u>S1 – CH582.900 – LX REMOVED</u> Minor Private – Gate 3	VMP No: 055 Rev Date: 14/03/2022																				
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 																						
<p>Legend</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 15%;">Materials Laydown</td> <td style="width: 10%;"></td> <td style="width: 10%;">Crib Facilities</td> <td style="width: 10%;"></td> <td style="width: 10%;">LV Carpark</td> <td style="width: 10%;"></td> <td style="width: 10%;">HV Carpark</td> <td style="width: 30%;"> Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel: </td> <td style="width: 20%;"> Plan Date: 11/03/2022 Signature: </td> </tr> <tr> <td></td> <td>Lime Storage</td> <td></td> <td>Ballast</td> <td></td> <td> Delineation Pedestrian Access </td> <td></td> <td> Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way </td> <td colspan="2"> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> </tr> </table>				Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:		Lime Storage		Ballast		Delineation Pedestrian Access		Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
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Appendix D: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 1 YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- 2 THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- 3 ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- 4 SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greatersydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN. CONTACT: road.access@transport.nsw.gov.au.
- 5 NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- 6 ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- 7 EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- 8 THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- 9 ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**
Transport
Roads & Maritime
Services

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**
Transport
Roads & Maritime
Services

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SAZ NO : 556329/003

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM

Transport
Roads & Maritime
Services

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h**This Activity :** In Land Rail. Narrabri to North Star. Newell Highway Reduced To :
Section from Narrabri to Gurley.

40 Km/h

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

Page 7 of 8

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 500
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) are located within the construction boundary; and
- (b) have been assessed by the ER to have –
 - i. Low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and
 - ii. Low environmental impact with respect to waste management and flooding, and
 - iii. No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Boggy Creek)
Location:	Boggy Creek (Bellata, NSW)
Chainage:	CH608.200
Program*:	Construction: April 2022 Occupation: April 2022 - February 2023
Land Use:	Rail Corridor
Footprint / Size:	<10,000m ²
Use:	Minor Ancillary Facility (Boggy Creek) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Top and bottom ballast stockpile (<20,000 t). ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General laydown of construction plant and equipment.
Site Surroundings:	Minor Ancillary Facility (Boggy Creek) is surrounded by: <ul style="list-style-type: none"> ▪ North: Rail line, Culverts, ephemeral waterway, and agricultural (cropping) land. ▪ East: Newell Highway. Sparsely vegetated land, agricultural (cropping) land. ▪ South: Rail line, culverts, sparsely vegetated land, agricultural (cropping) land. ▪ West: Rail line, sparsely vegetated land, agricultural (cropping) land. <p>Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.</p>

Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. Anti-gawking screens will be installed where required by TfNSW. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Boggy Creek).</p>
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*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliance (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	Minor Ancillary Facility (Boggy Creek) occurs on land that’s within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909). Refer to Appendix A for the location.
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	No sensitive receivers have been identified within 1km of the MAF (Boggy Creek) site. Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Boggy Creek).
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	The proposed MAF (Boggy Creek) is located approximately 100m north of the nearest waterway. The proposed MAF (Boggy Creek) site is outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	The entire footprint impacted by the proposed MAF (Boggy Creek) site is mapped as <ul style="list-style-type: none"> - <i>Zone 0 – Cleared/Non-native Vegetation.</i> All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC’s Biodiversity Offset Strategy.
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Boggy Creek) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Boggy Creek) site. <i>The Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1), dated 18th December 2020 has</i>

Criteria	Compliant (Y) Yes (N) No	Comments
		been reviewed and there are no areas or items that require further salvage or survey.
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Access to Minor Ancillary Facility (Boggy Creek) will be provided via gate 11 directly off Newell Hwy. (chainage 608.200).</p> <p>A transport for NSW (TfNSW) approved Road Occupancy Licence (ROL) is in place for the use of this access point from the Newell Highway. This ROL will be maintained whilst this access point is being utilised for the project. See appendix E.</p> <p>The Stage 1 Construction Traffic Management Sub Plan (TMP) has been prepared and approved by TfNSW. The TMP includes the upgrade of 10 Major and 18 Minor Construction Gates within Stage 1 in accordance with a TfNSW approved RoadNet Design. These construction gates will be used to access the MAFs within Stage 1.</p>
Relatively flat land	Y	Minor Ancillary Facility (Boggy Creek) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Boggy Creek) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard ▪ Rubbish and debris ▪ Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Boggy Creek) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	<p>Minor Ancillary Facility (Boggy Creek) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.</p> <p>Anti-gawking screens will be applied where required by TfNSW.</p>

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Boggy Creek) include:

- Disturbance of predicted Five-Clawed Worm-Skink habitat during site establishment;
- Dust and associated impacts to air quality resulting from access and use; and
- Mud tracking onto public roads as a result of the use of the MAF.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures


	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> • Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) • The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan • Waste Management • The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. • The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. • Hours of operation. • General noise related mitigation measures. • Five Clawed Worm Skinks, including habitat location and all mitigation measures specified by DPIE & ARTC. 	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail's CPESC and implemented prior to and during site establishment.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
4)	<p>Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means.</p> <p>Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).</p>	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
	areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.		
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment must not be refuelled within 50m of a waterway and must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable. Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP. In addition to this, the following measures will be undertaken; -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement.	Environmental Manager / Construction Supervisor	Construction
14)	The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<p>or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents. The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>		
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers. Anti-gawking screens will be applied where required by a TfNSW Approval.	Environment Manager / Construction Supervisor	Construction
20)	<p>All personnel would be inducted on the subject of Five-clawed Worm-skinks (FCWS). Targeted FCWS surveys would be undertaken by Project Ecologist and/or Fauna Spotter-Cather team prior to and during slashing, clearing of woody vegetation and topsoil stripping activities within the following chainages, stage 1 chainage 603.000 to 625.000 and stage 3 chainage 735.000 to 754.250.</p> <p>The surveys would include active searches of microhabitats, including, carefully turning woody debris, rocks and artificial debris, raking the soil surface or leaf litter beneath trees and looking beneath peeling bark for reptiles or their sloughs, searching for animals during topsoil stripping (working closely with the grader operator).</p> <p>Targeted pre-clearing surveys would comprise a minimum of 1.5 person hours per hectare for habitats of average complexity per targeted species (scaled up or down depending on site complexity).</p> <p>Any FCWS captured would have the following data collected: GPS coordinates of capture/relocation site, measurements of snout-vent length, tail length and total length. Relocation site are to be as close to capture site as possible with suitable microhabitat. No more than 10 adults and 5 sub-adults or hatchlings per 100m2 of suitable habitat may be relocated due to risk of overstocking.</p> <p>NOTE: Additional measures will be taken to avoid relocated individuals from re-entering the construction site i.e. sediment fence, etc.</p>	Environment Manager / Construction Supervisor	

3. Certification


This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Maggie Wilton

Position: Trans4m Rail Enviro and Sustainability Admin Assistant

Date: 13/04/2022

Signed: 

Name: Steve Fermio

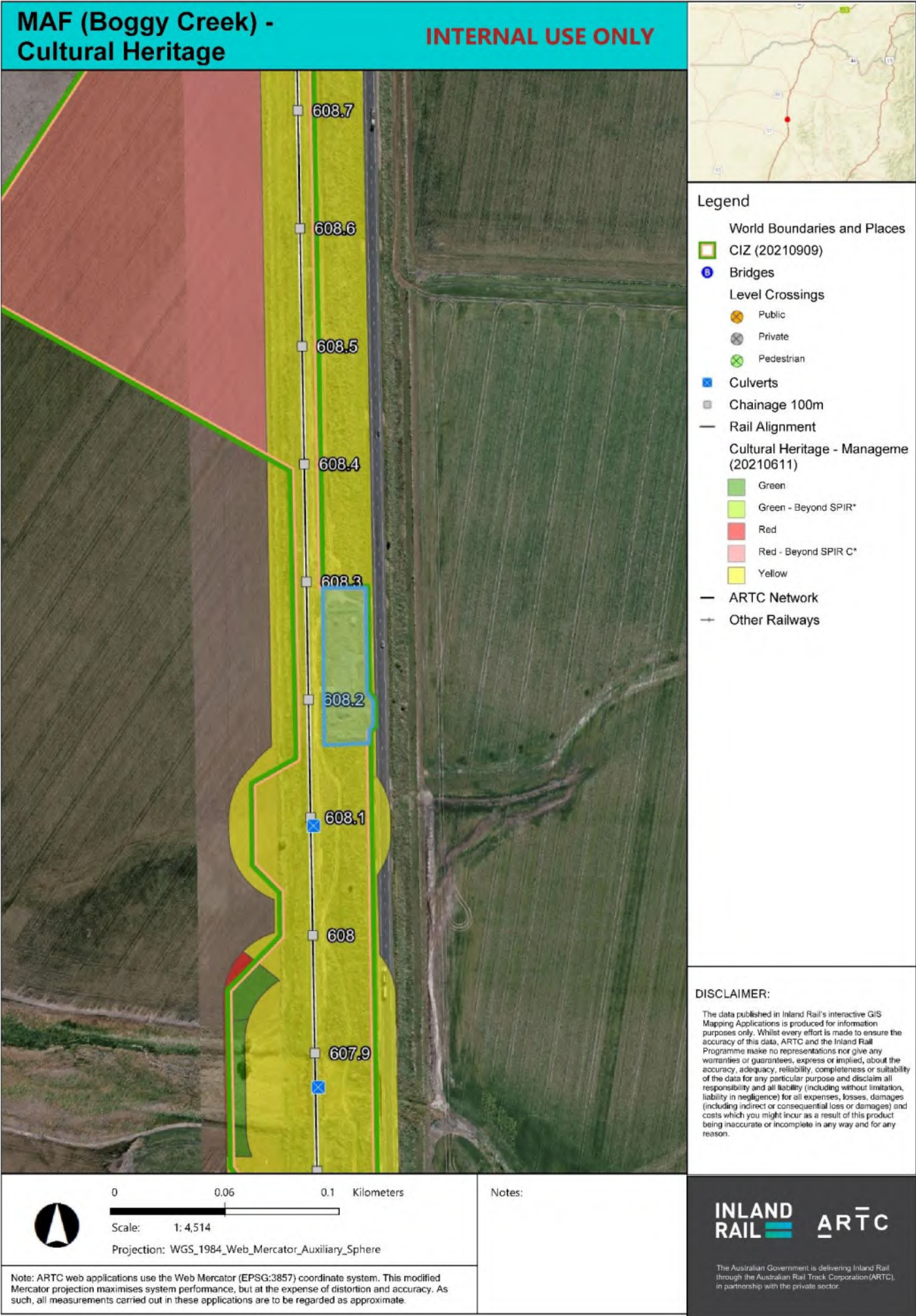
Position: Environmental Representative

Date: 13 /02/2022

Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

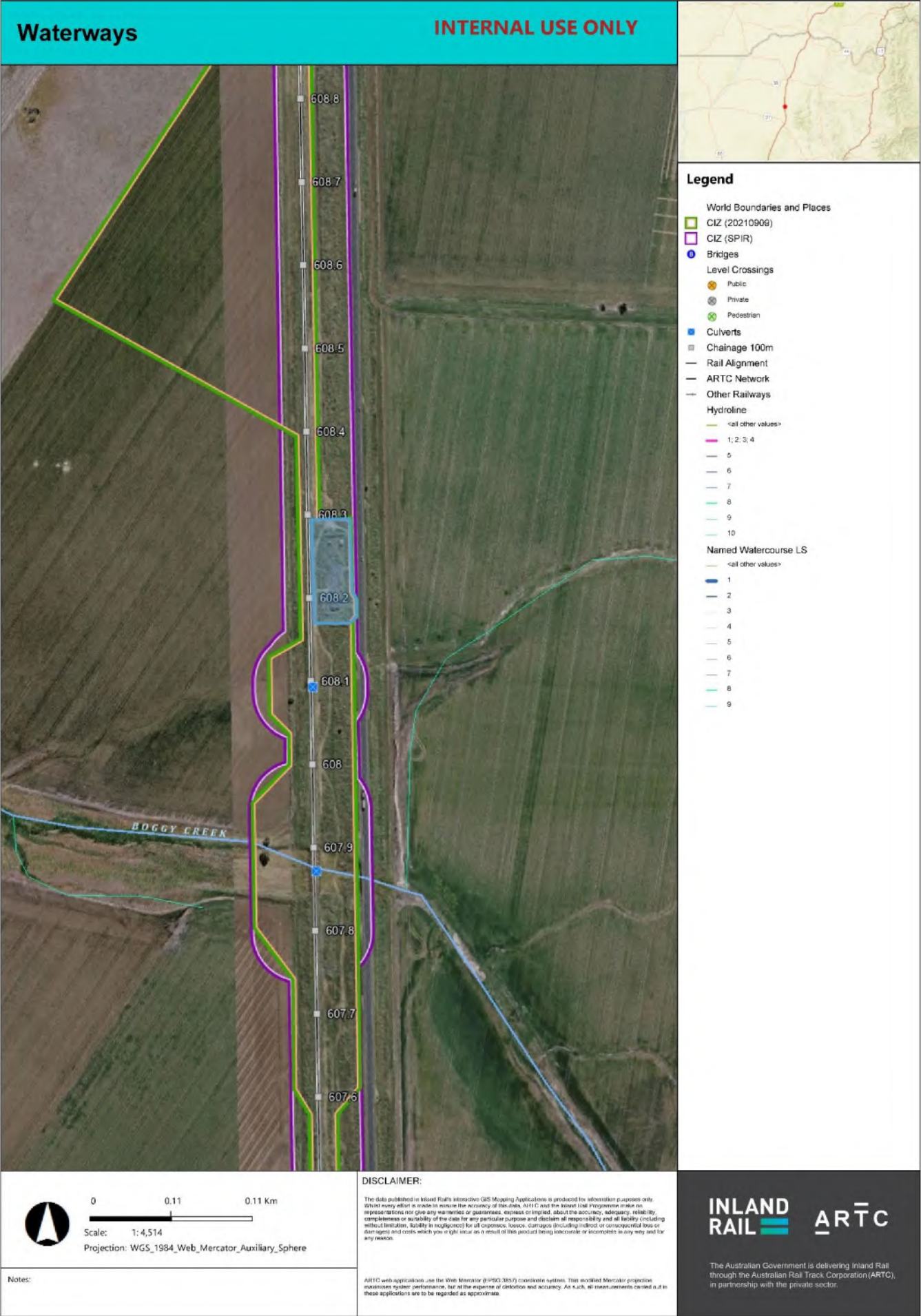
Appendix A: Site Location (incl. Environmentally Sensitive Areas)


































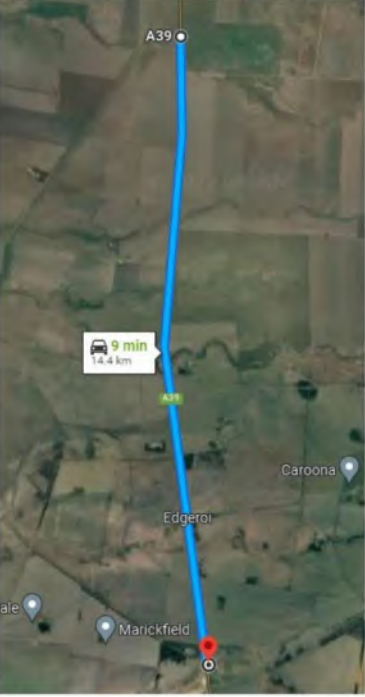





Appendix B: Site Location (Co-ordinates)


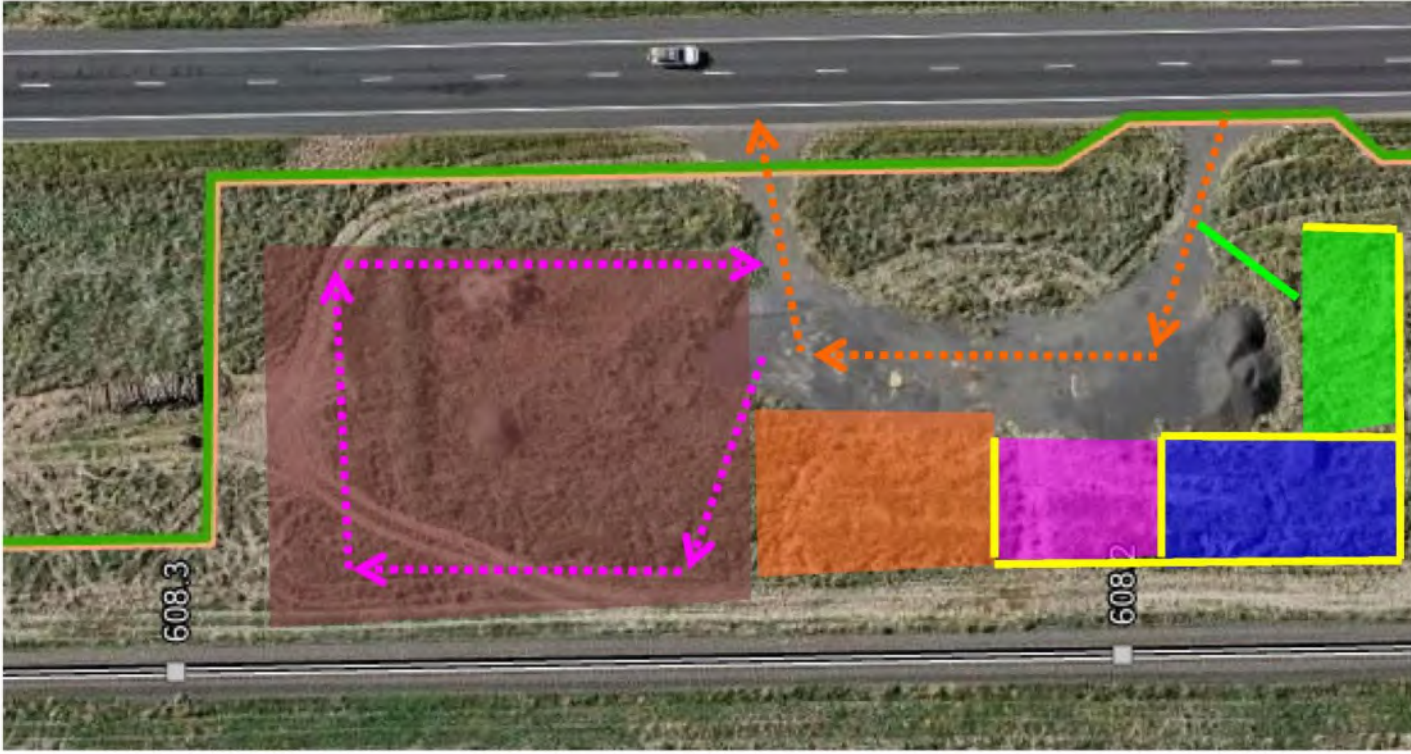


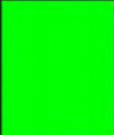










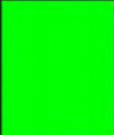










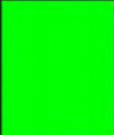








1	Lat: 29.98351° S Lon: 149.79189° E
2	Lat: 29.98350° S Lon: 149.79237° E
3	Lat: 29.98488° S Lon: 149.79239° E
4	Lat: 29.98488° S Lon: 149.79192° E

Appendix C:

Appendix D: Vehicle Movement Plan (VMP)

	<p align="center">Vehicle Movement Plan for <u>S1 – CH608.200 – RMS SP</u> Minor Private – Gate 11</p>	<p>VMP No: 069 Rev Date: 14/03/2022</p>																				
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way; stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 																						
<p>Legend</p> <table border="1"> <tr> <td></td> <td>Public Access</td> <td></td> <td>Alignment Access</td> <td></td> <td>Main Alignment Works Zone</td> <td></td> <td>General Laydown (See below)</td> <td> <p>Plan approval/acceptance</p> <p>Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530</p> <p>UHF Channel:</p> </td> <td> <p>Plan Date: 11/03/2022</p> <p>Signature:</p> </td> </tr> <tr> <td></td> <td>All Traffic IN</td> <td></td> <td>All Traffic OUT</td> <td></td> <td></td> <td></td> <td></td> <td> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> <td></td> </tr> </table>				Public Access		Alignment Access		Main Alignment Works Zone		General Laydown (See below)	<p>Plan approval/acceptance</p> <p>Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530</p> <p>UHF Channel:</p>	<p>Plan Date: 11/03/2022</p> <p>Signature:</p>		All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
	Public Access		Alignment Access		Main Alignment Works Zone		General Laydown (See below)	<p>Plan approval/acceptance</p> <p>Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530</p> <p>UHF Channel:</p>	<p>Plan Date: 11/03/2022</p> <p>Signature:</p>													
	All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 														

		Vehicle Movement Plan for <u>S1 – CH608.200 – RMS SP</u> Minor Private – Gate 11				VMP No: 069 Rev Date: 14/03/2022	
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053		Southbound Traffic – Site Entry Options: Enter at Gate 10 – south, after RMS SP – Right Turn OK		Enter at Gate 12 – north, before RMS SP – Right Turn OK		U-Turn at Edgeroi	
							
Legend							
	Public Access		Alignment Access		Main Alignment Works Zone	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	
	All Traffic IN		All Traffic OUT			<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
						Plan Date: 12/03/2022 Signature:	

	Vehicle Movement Plan for <u>S1 – CH608.200 – RMS SP</u> Minor Private – Gate 11	VMP No: 069 Rev Date: 14/03/2022																				
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 																						
<p>Legend</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 15%;">Materials Laydown</td> <td style="width: 10%;"></td> <td style="width: 10%;">Crib Facilities</td> <td style="width: 10%;"></td> <td style="width: 10%;">LV Carpark</td> <td style="width: 10%;"></td> <td style="width: 10%;">HV Carpark</td> <td style="width: 30%;"> Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel: </td> <td style="width: 20%;"> Plan Date: 11/03/2022 Signature: </td> </tr> <tr> <td></td> <td>Lime Storage</td> <td></td> <td>Ballast</td> <td> </td> <td>Delineation Pedestrian Access</td> <td>  </td> <td>Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way</td> <td colspan="2"> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> </tr> </table>				Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:		Lime Storage		Ballast	 	Delineation Pedestrian Access	  	Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
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	Lime Storage		Ballast	 	Delineation Pedestrian Access	  	Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 														

Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail, Narrabri to North Star, Newell Highway Section from Narrabri to Gurley.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greatersydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN CONTACT: road.access@transport.nsw.gov.au.
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

	From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001
ROADS & MARITIME SERVICES (RMS)
Phone: Monday To Friday 8.30 AM - 4.30 PM

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION
SPEED LIMIT REDUCTION

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 2000
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 60 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 2000
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/002**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 2000
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/003****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 500
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) *are located within the construction boundary; and*
- (b) *have been assessed by the ER to have –*
 - i. *low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and*
 - ii. *Low environmental impact with respect to waste management and flooding, and*
 - iii. *No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.*

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (CH578 Ballast)
Location:	CH578.000 (Narrabri, NSW)
Chainage:	CH577.600 – CH578.15
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	RU1 – Primary Production (Source: Narrabri Shire Council LEP)
Footprint / Size:	<17,500m ²
Use:	Minor Ancillary Facility (CH578 Ballast) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ Storage of construction plant and equipment. ▪ Top and Bottom Ballast Stockpiles (20t at any one time).
Site Surroundings:	Minor Ancillary Facility (CH578 Ballast) is surrounded by: <ul style="list-style-type: none"> ▪ North: Rail Line, MAF site, LX3055 and sparsely vegetated land. ▪ East: Newell Highway, Agricultural (cropping) land, sparsely vegetated land, and sensitive (residential) receivers. ▪ South: Rail Line, Newell highway, sparsely vegetated land. ▪ West: Agricultural land, sparsely vegetated land, sensitive (residential) receivers, and private storage dam. <p>Access to Minor Ancillary Facility (CH578 Ballast) will be provided via existing local road, at LX 3055 CH578.083.</p>

	Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. ▪ Unless specified in a TfNSW approval, anti-gawking screens will not be applied adjacent this MAF location. <p>NOTE: No bulk earthworks are required for the establishment of MAF (CH578 Ballast).</p>

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (CH578 Ballast) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>Five sensitive (residential) receivers were identified within 1km of the proposed MAF (CH578 Ballast) site.</p> <p><i>299.45m NNS_Rx0722</i></p> <p><i>461.67m NNS_Rx0723</i></p> <p><i>551.94m NNS_Rx0724</i></p> <p><i>625.43m NNS_Rx0725</i></p> <p><i>785.81m NNS_Rx0726</i></p> <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (CH578 Ballast) site. One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – MAF Operational) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p><i>Scenario 1: MAF Site Operation (i.e. 20 tonne truck, and front end loader)</i></p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <p>- Sensitive receivers are located at the following locations:</p>

Criteria	Compliant (Y) Yes (N) No	Comments
		<ul style="list-style-type: none"> ○ <i>NNS_Rx0722</i>, located 299.45m east of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 42dB or 2 dB above the daytime NML for the Project. Refer to Appendix C. ○ <i>NNS_Rx0723</i>, located 461.67m west of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 36dB or 4 dB below the daytime NML for the Project. Refer to Appendix C. <ul style="list-style-type: none"> - The Noise Assessment identified that sensitive receivers, with line of sight, greater than 530m away will generally not be impacted (>NML (Daytime)) by site establishment. - The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works. <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (CH578 Ballast).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (CH578 Ballast) is located approximately 408m West of an unnamed ephemeral creek.</p> <p>The proposed MAF (CH578 Ballast) site lies outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately 17,180m² (~98.2%) of the proposed MAF (CH578 Ballast) site is mapped as</p> <ul style="list-style-type: none"> - <i>Zone 0 - Cleared/Non-native Vegetation</i> <p>And approximately 320m² (~1.8%) of the proposed MAF (CH578 Ballast) site is mapped as:</p> <ul style="list-style-type: none"> - <i>Zone - 5 - PCT-56 BVT-BR186, NA182-Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW</i> <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (CH578 Ballast) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (CH578 Ballast) site.</p> <p>The <i>Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	Access to Minor Ancillary Facility (CH578 Ballast) will be available North of the MAF site via access gate 2 at LX3055 off the Newell Highway.

Criteria	Compliant (Y) Yes (N) No	Comments
Relatively flat land	Y	Minor Ancillary Facility (CH578 Ballast) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (CH578 Ballast) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> Wastewater Wastepaper / cardboard Rubbish and debris Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (CH578 Ballast) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	<p>Minor Ancillary Facility (CH578 Ballast) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.</p> <p>Anti-gawking screens will be applied where required by a TfNSW approval.</p>

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (CH578 Ballast) include:

- Dust and associated impacts to air quality resulting from access and use; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:	Environmental Manager	Pre-construction


	Measure/Requirement	Responsibility	Timing/ frequency
	<ul style="list-style-type: none"> Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan Waste Management The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. Hours of operation. General noise related mitigation measures. 		
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	<p>Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> - Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. - Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). - Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. - Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). - Where practicable, soil binder will be used on highly trafficked areas. - Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 	Environmental Manager / Construction Supervisor	Construction
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers. Anti-gawking screens will be applied where required by a TfNSW Approval.	Environment Manager / Construction Supervisor	Construction
20)	Within the proposed MAF (CH578 Ballast) site a total area of ~98.2% was identified as <i>Zone 0- Cleared/Non-native Vegetation</i> , and a total area of ~1.8% was identified as <i>Zone 5 - PCT-56 BVT-BR186, NA182-Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW</i> . NOTE: As this is within the SPIR CIZ this have been accounted for in the Project's Approval and if removal is required will be offset under the projects Biodiversity Offset Strategy.	Environmental Works team	Construction

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Maggie Wilton

Position: Trans4m Enviro & Sustainability Admin Assistant Date: 06/04/2022

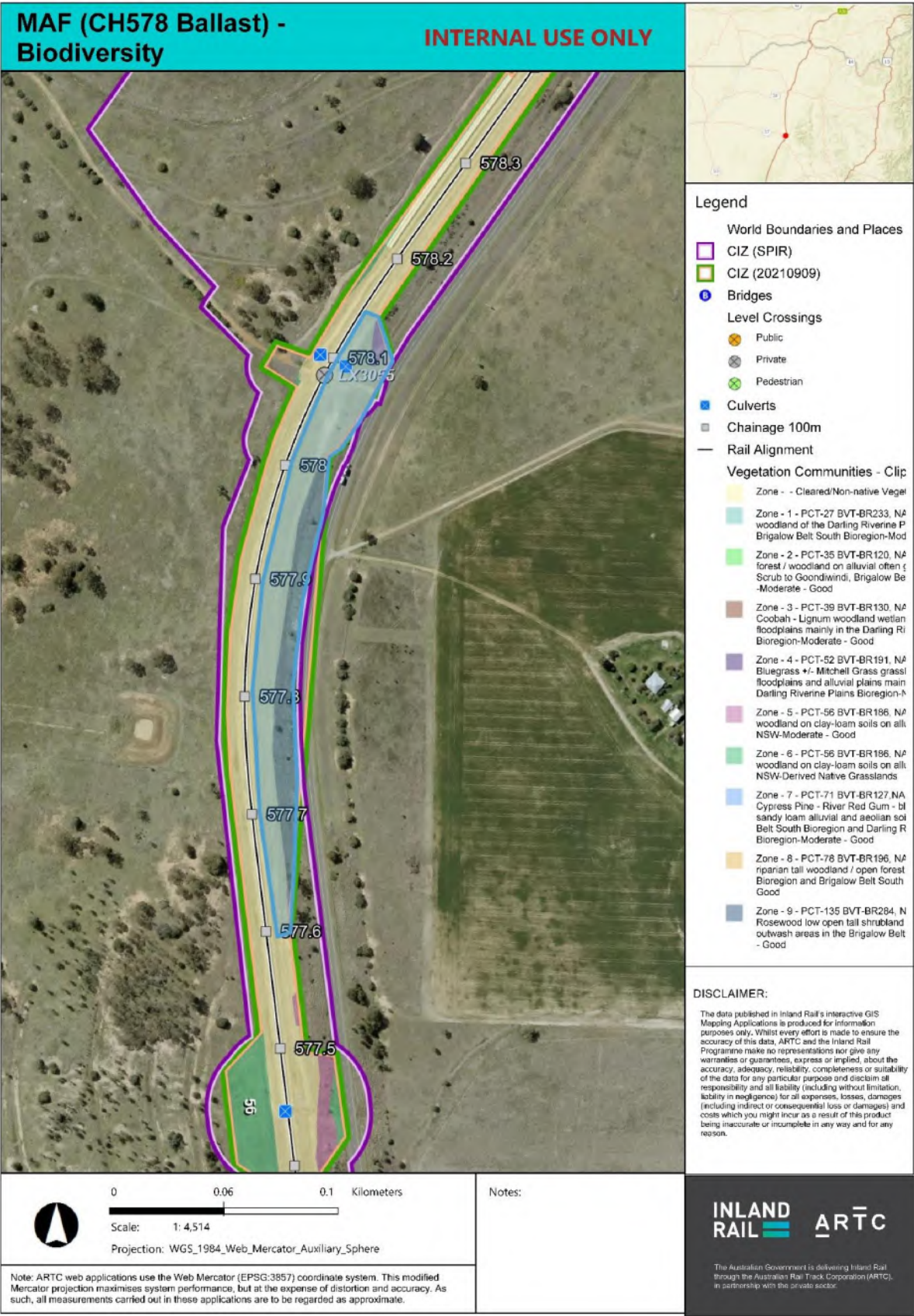
Signed: 

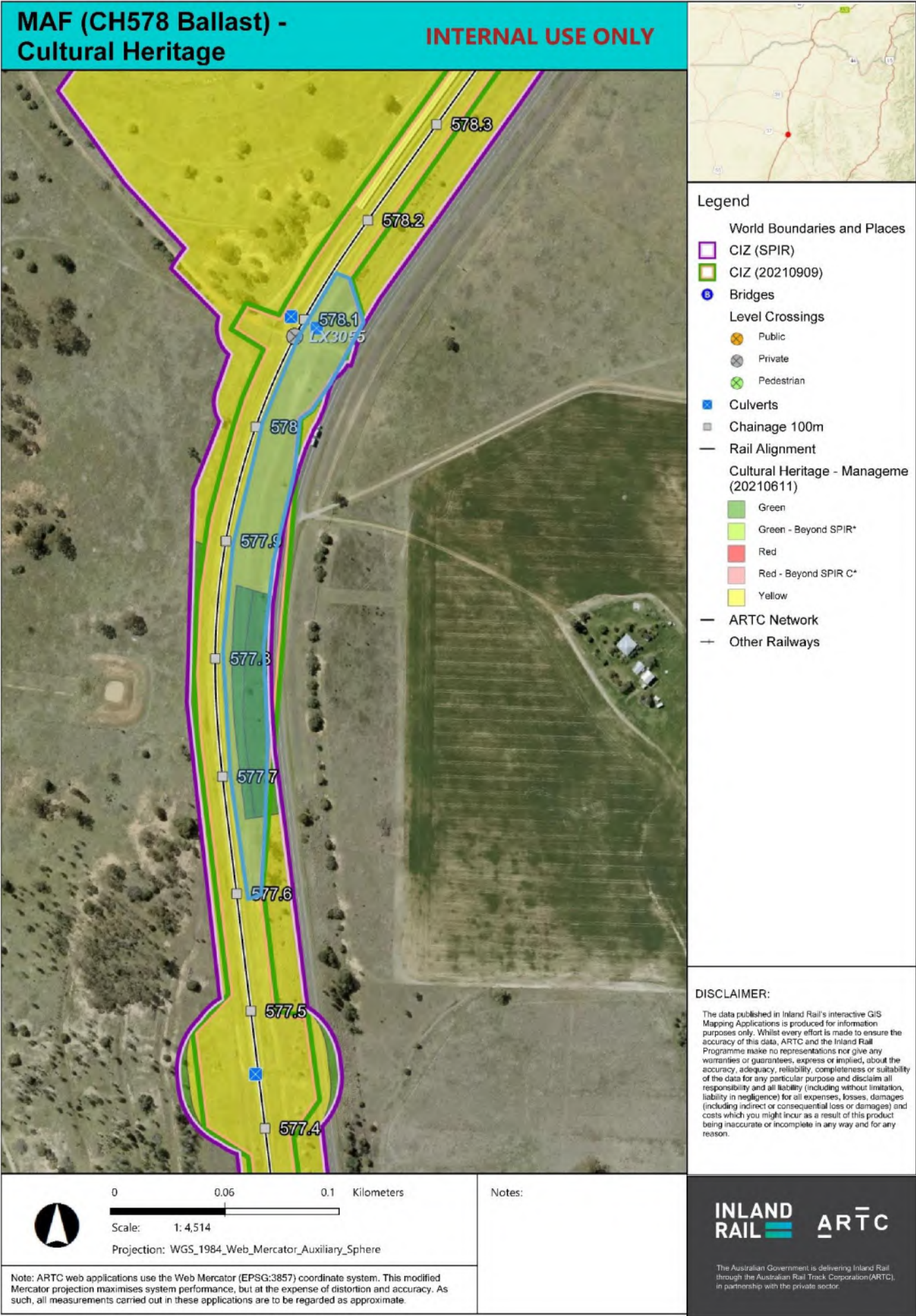
Name: Steve Fermio

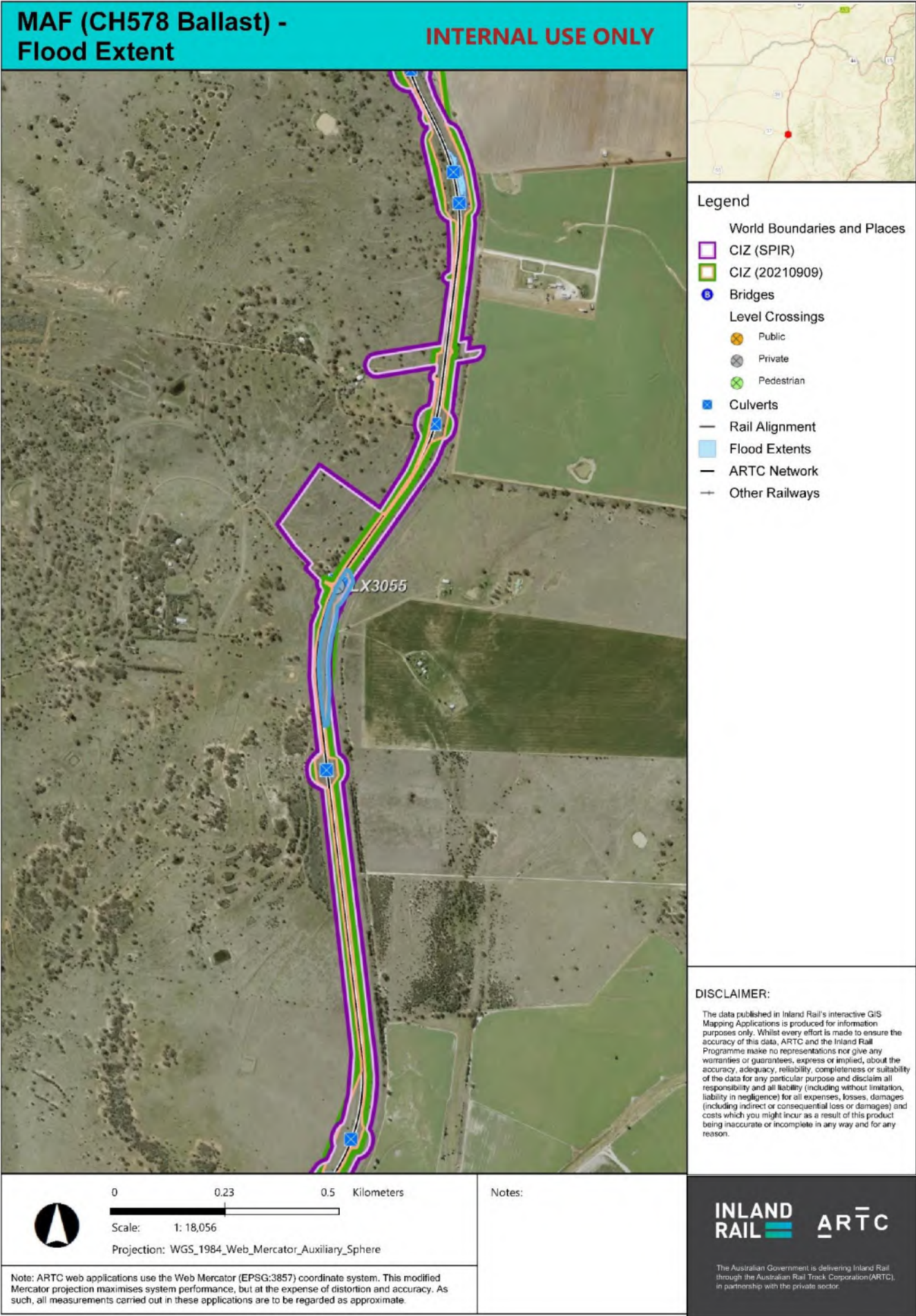
Position: Environmental Representative Date: 11 / 4 /2022

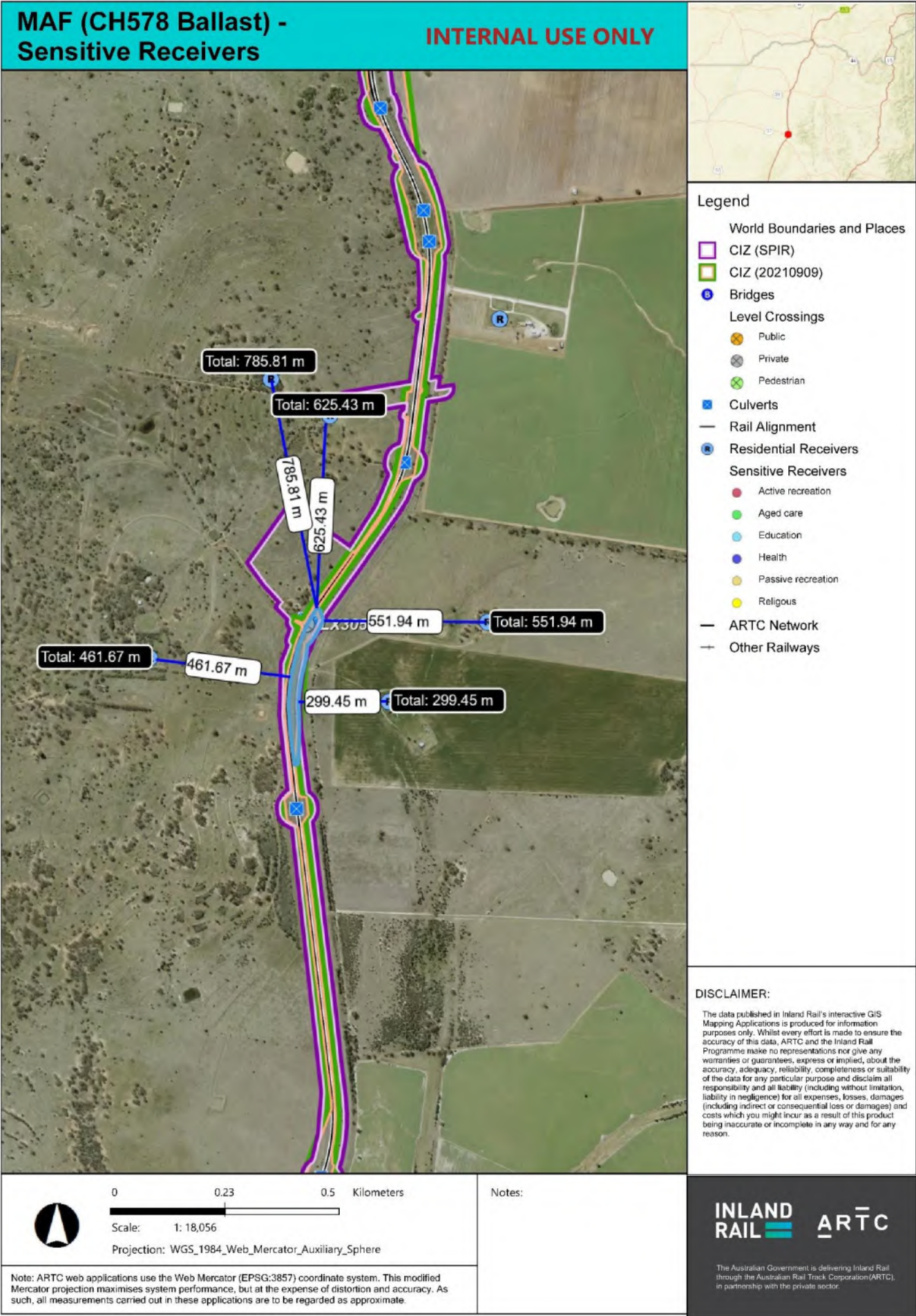
Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

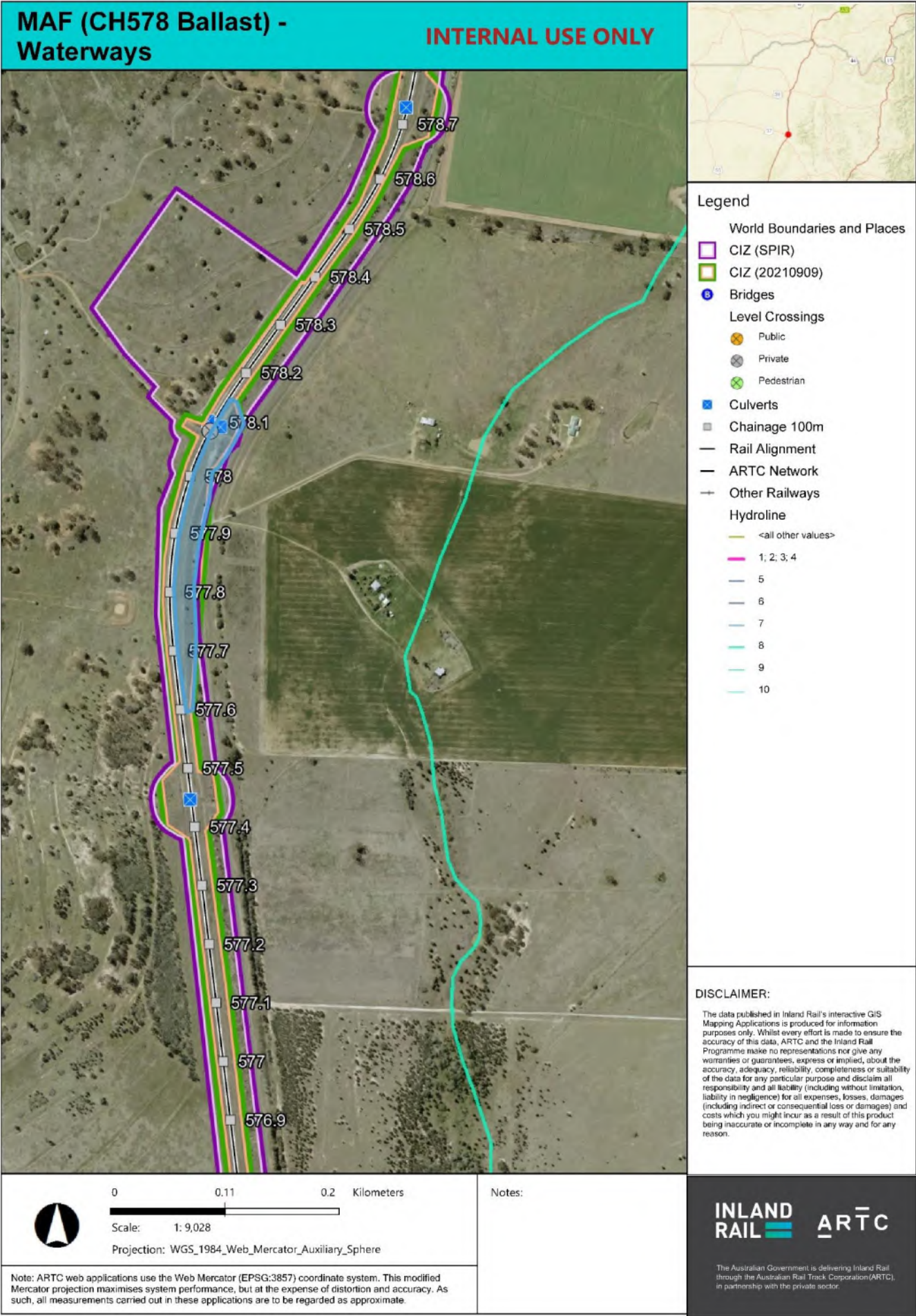
Appendix A: Site Location (incl. Environmentally Sensitive Areas)



















Appendix B: Site Location (Co-ordinates)

1	Lat: 30.25005° S Lon: 149.80430° E
2	Lat: 30.25014° S Lon: 149.80459° E
3	Lat: 30.25373° S Lon: 149.80427° E
4	Lat: 30.25381° S Lon: 149.80415° E

Appendix C: Noise Estimator

Appendix D: Vehicle Movement Plan




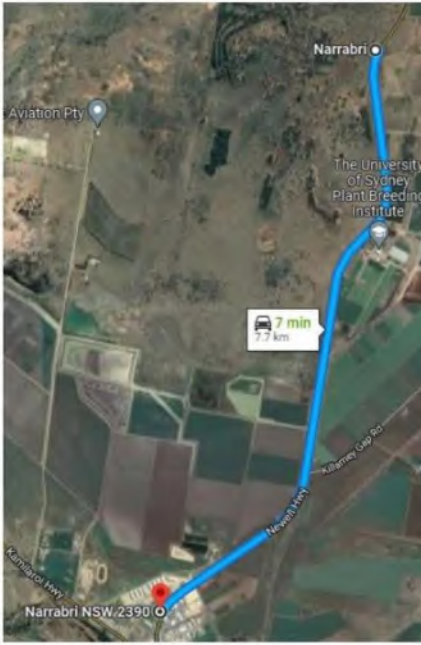






























	Vehicle Movement Plan for <u>S1 – CH578.000 – LX3055</u> Minor Private – Gate 2		VMP No: 053 Rev Date: 14/03/2022						
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times. Site wide speed limit is 40km/h unless signposted otherwise. Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions. Driver must not use any route to enter or exit site other than that shown on the diagram. Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms. 									
Legend									
	Public Access		Alignment Access		Main Alignment Works Zone		MAF	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added. Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

Revision No: 0

Issue Date: 04/03/2022

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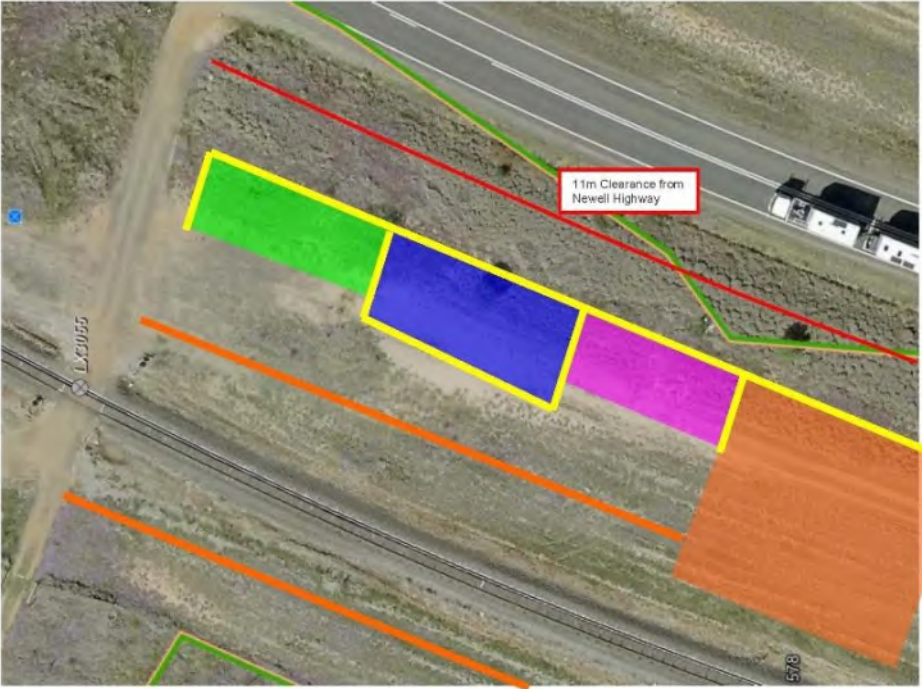



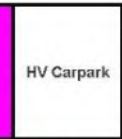

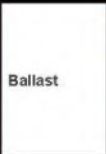

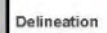
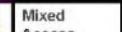
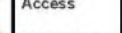
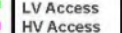



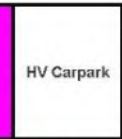

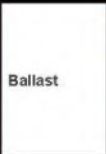

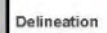
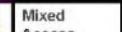
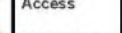
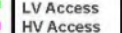



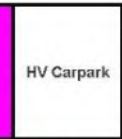

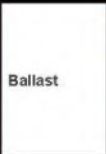

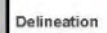
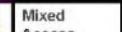
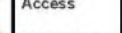
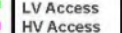
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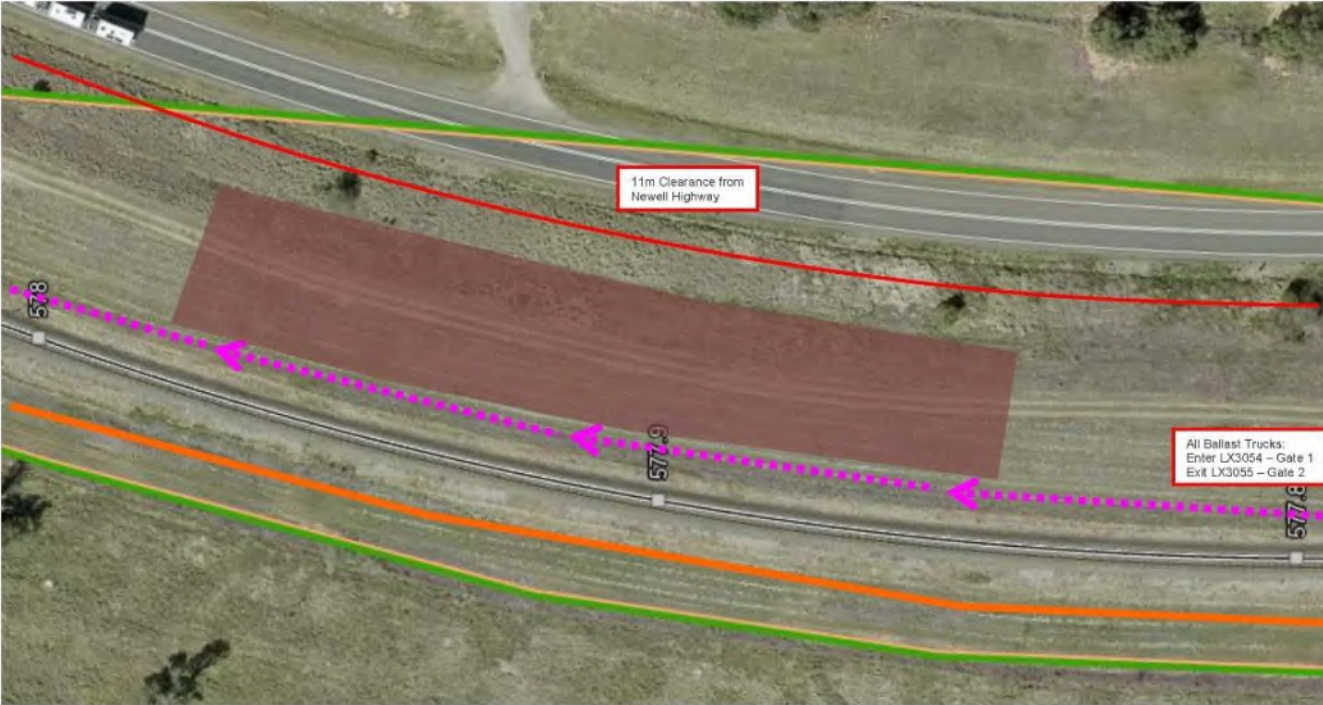
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Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control

Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greaterSydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN. CONTACT: road.access@transport.nsw.gov.au.
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUEING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
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Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

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To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



**Transport
Roads & Maritime
Services**

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DEVELOPMENT - NEW CONSTRUCTION

SPEED LIMIT REDUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Existing: 110 Km/h
Reduced To : 80 Km/h

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
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Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

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SPEED ZONE AUTHORISATION**LIC/SA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**
Transport
Roads & Maritime
Services

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

	From Shift					To Shift			
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Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
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Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

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From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
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SPEED ZONE AUTHORISATION

LIC/SAZ NO : 556329/003
ROADS & MARITIME SERVICES (RMS)
Phone: Monday To Friday 8.30 AM - 4.30 PM

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DEVELOPMENT - NEW CONSTRUCTION
SPEED LIMIT REDUCTION

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
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SPEED ZONE AUTHORISATION

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

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Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

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Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) *are located within the construction boundary; and*
- (b) *have been assessed by the ER to have –*
 - i. *low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and*
 - ii. *Low environmental impact with respect to waste management and flooding, and*
 - iii. *No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.*

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (CH656.6 Ballast)
Location:	CH656.6 (Moree, NSW)
Chainage:	CH656.6 – CH657.5
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	Crown land, within rail alignment.
Footprint / Size:	< 20,000m ²
Use:	Minor Ancillary Facility (CH656.6 Ballast) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage ▪ Top and bottom ballast stockpiles (20t at any one time).
Site Surroundings:	Minor Ancillary Facility (CH656.6 Ballast) is surrounded by: <ul style="list-style-type: none"> ▪ North: Rail Line, Tapscott Rd, sparsely vegetated land, and the Newell Highway. ▪ East: Rail Line, sparsely vegetated land, private storage dam, agricultural (cropping) land, and sensitive (residential) receiver. ▪ South: Agricultural cropping land, and sparsely vegetated land. ▪ West: Rail line, Newell Highway, and sparsely vegetated land. <p>Access to Minor Ancillary Facility (CH656.6 Ballast) will be provided north of the MAF via Tapscott Road off the Newell Highway at LX558.</p>

Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. <p>NOTE: No bulk earthworks are required for the establishment of MAF (CH656.6 Ballast).</p>
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*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (CH656.6 Ballast) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>One sensitive (residential) receiver was identified within 1km of the proposed MAF (CH656.6 Ballast) site.</p> <p>NNS_Rx0885 is 917.09 m north-east</p> <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (CH656.6 Ballast). One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – MAF Operation) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p>Scenario 1: MAF Site operation (i.e. Truck >20tonne, front end loader).</p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - Sensitive receivers are located at the following locations: <ul style="list-style-type: none"> o NNS_Rx0885, located 917.09m north-east of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 32dB which is below the daytime NML for the Project. Refer to Appendix C. - The Noise Assessment identified that sensitive receivers, with line of sight, greater than 520m away will generally not be impacted (>NML (Daytime)) by bulk earthworks.

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works.</p> <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (CH656.6 Ballast).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (CH656.6 Ballast) is not located within 50 m of any waterways or drainage lines.</p> <p>The proposed MAF (CH656.6 Ballast) site lies outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <20,000m² (~100%) of the proposed MAF (CH656.6 Ballast) site is mapped as:</p> <ul style="list-style-type: none"> - Zone - 4 - PCT-52 BVT-BR191, NA187-Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion-Native Grassland <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (CH656.6 Ballast) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (CH656.6 Ballast) site.</p> <p>The <i>Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	Access to Minor Ancillary Facility (CH656.6 Ballast) will be provided north of the MAF via Tapscott Road off the Newell Highway at LX558.
Relatively flat land	Y	Minor Ancillary Facility (CH656.6 Ballast) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (CH656.6 Ballast) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard ▪ Rubbish and debris ▪ Food waste

Criteria	Compliant (Y) Yes (N) No	Comments
		The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below. Flooding risk has been addressed above.
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (CH656.6 Ballast) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	Minor Ancillary Facility (CH656.6 Ballast) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact. Anti-gawking screens will be applied where required by a TfNSW Approval.

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (CH656.6 Ballast) include:

- Dust and associated impacts to air quality resulting from access and use; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> • Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) • The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan • Waste Management • The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. • The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. • Hours of operation. • General noise related mitigation measures. 	Environmental Manager	Pre-construction

	Measure/Requirement	Responsibility	Timing/frequency
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or	Environmental Manager / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
	<p>program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. - Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 		
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers. Anti-gawking screens will be applied where required by a TfNSW Approval.	Environment Manager / Construction Supervisor	Construction
20)	Within the proposed MAF (CH656.6 Ballast) site a total area of ~100% was identified as Zone 4- PCT 52 Queensland bluegrass/Mitchell grass NOTE: As these are within the SPIR CIZ these have been accounted for in the Project's Approval and if removal is required will be offset under the projects Biodiversity Offset Strategy.	Environmental Works team	Construction

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed:

Name: Maggie Wilton

Position: Trans4m Rail Enviro & Sustainability Admin Assistant

Date: 11/04/2022



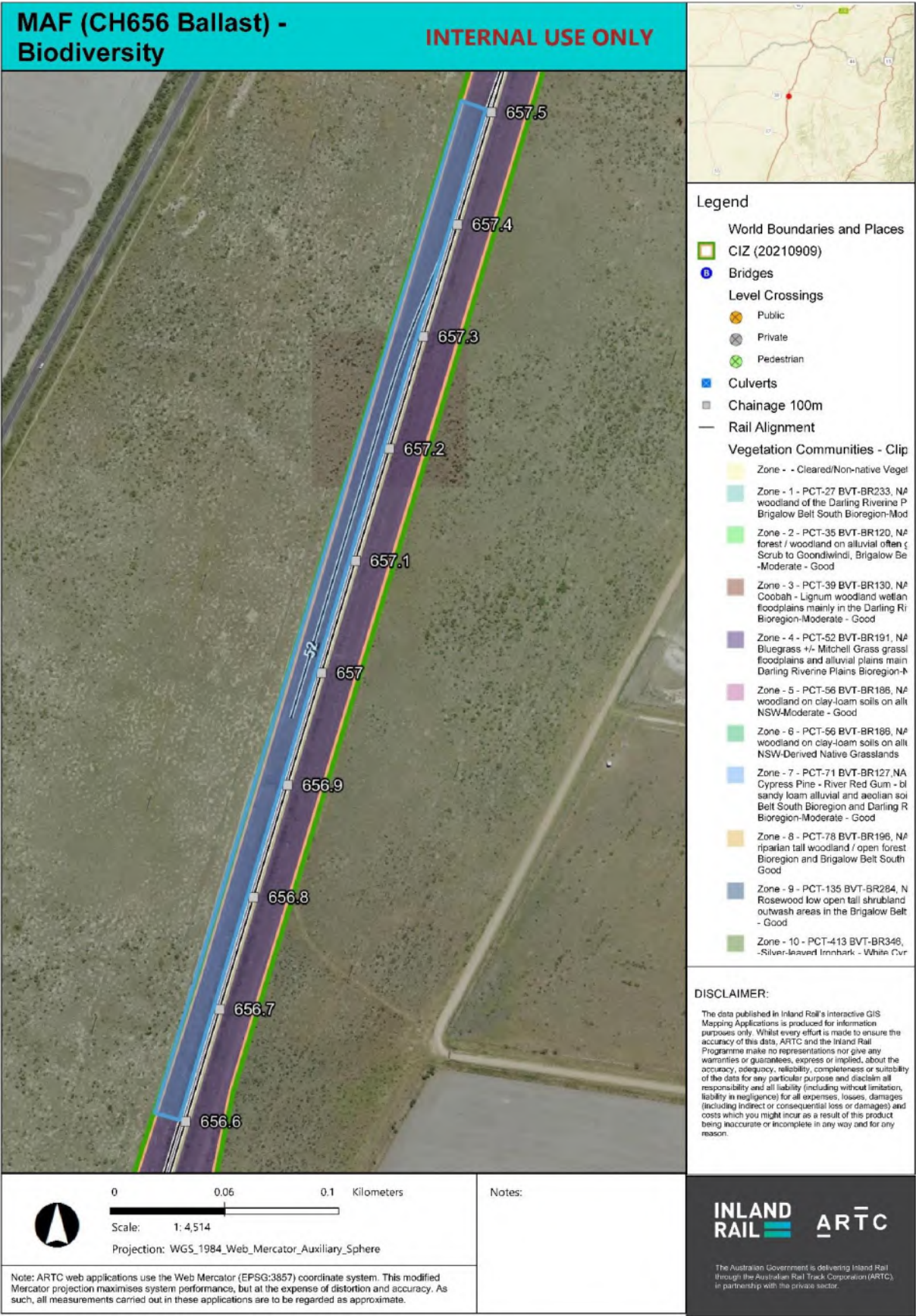
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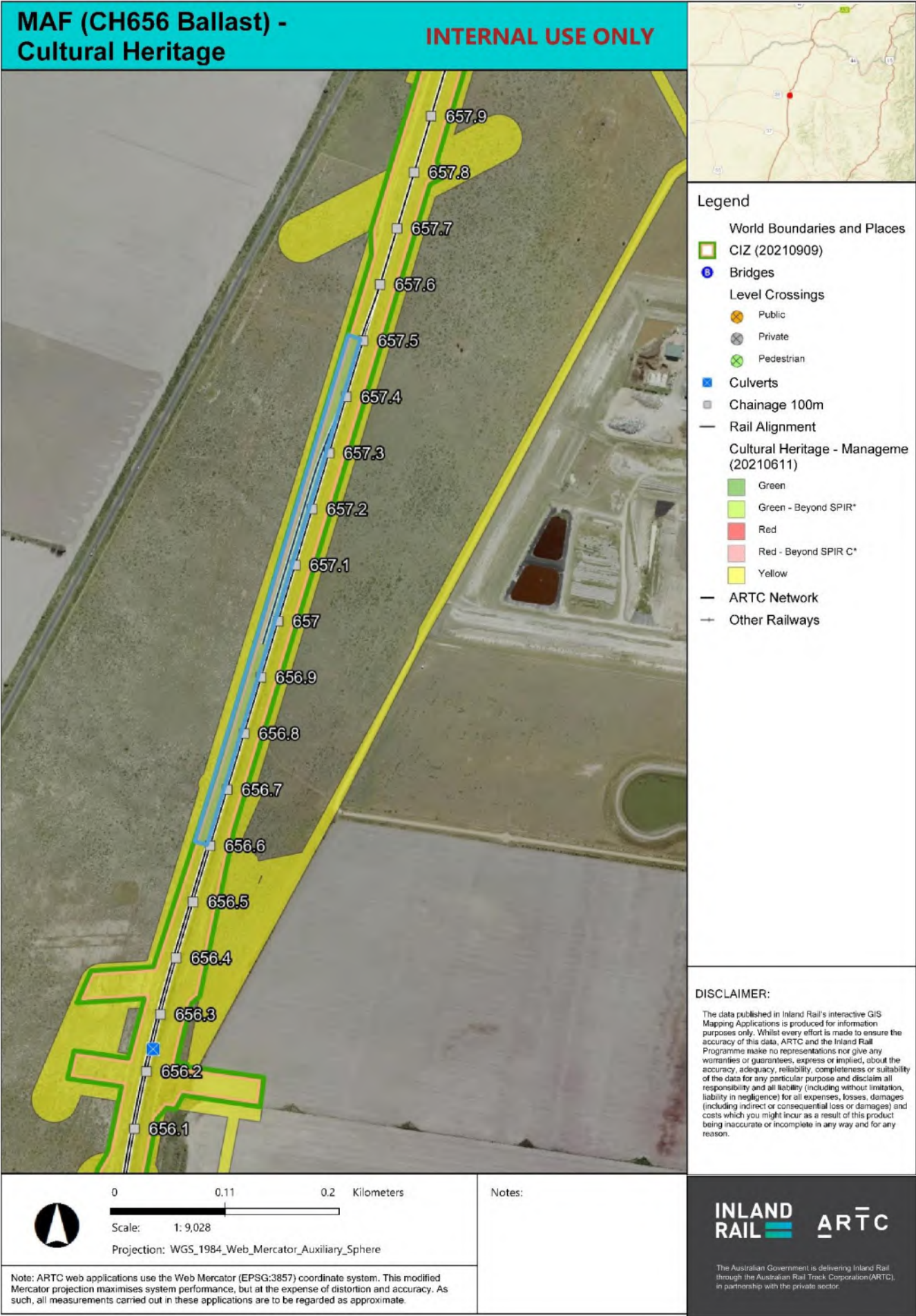
Name: Steve Fermio

Position: Environmental Representative

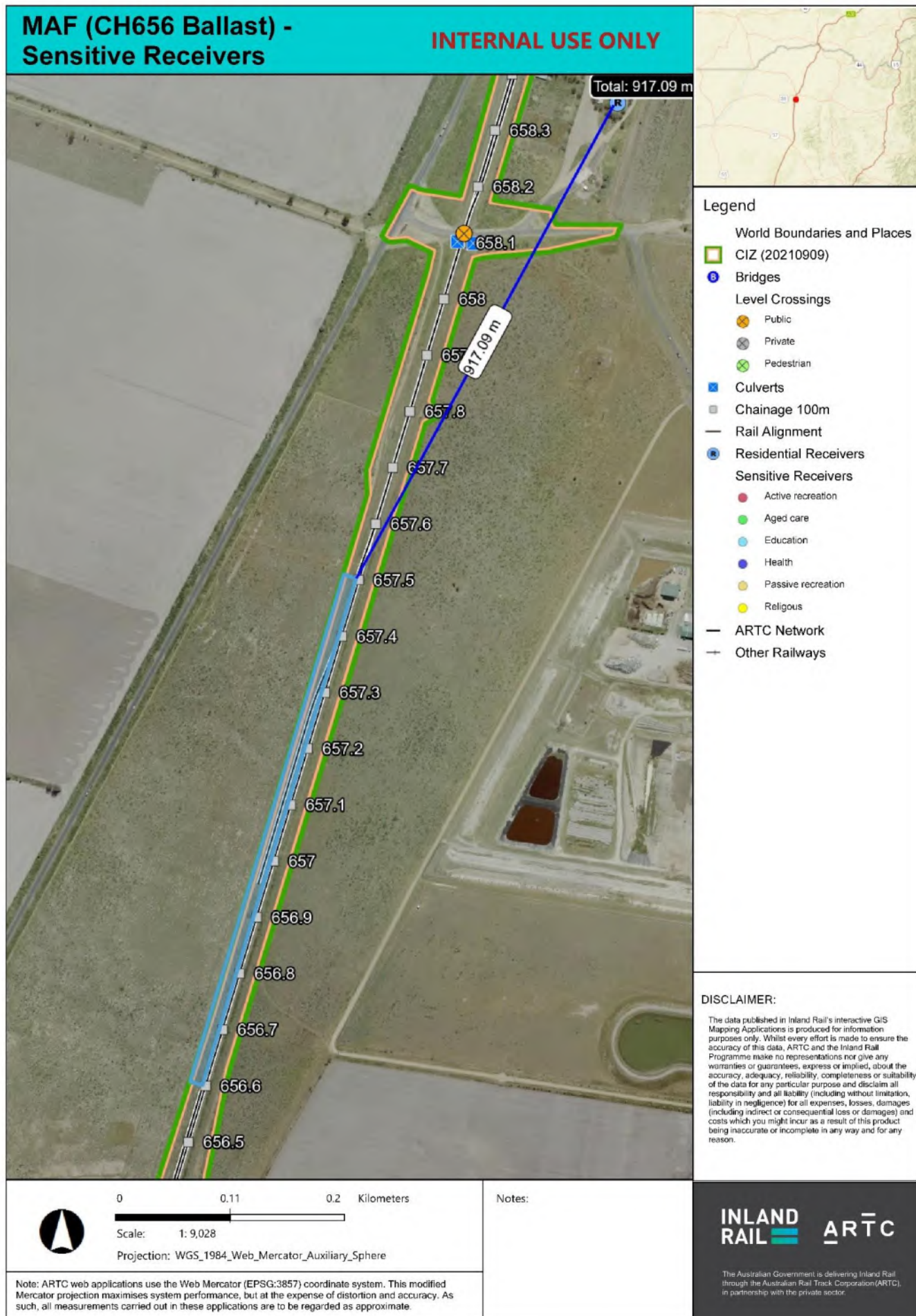
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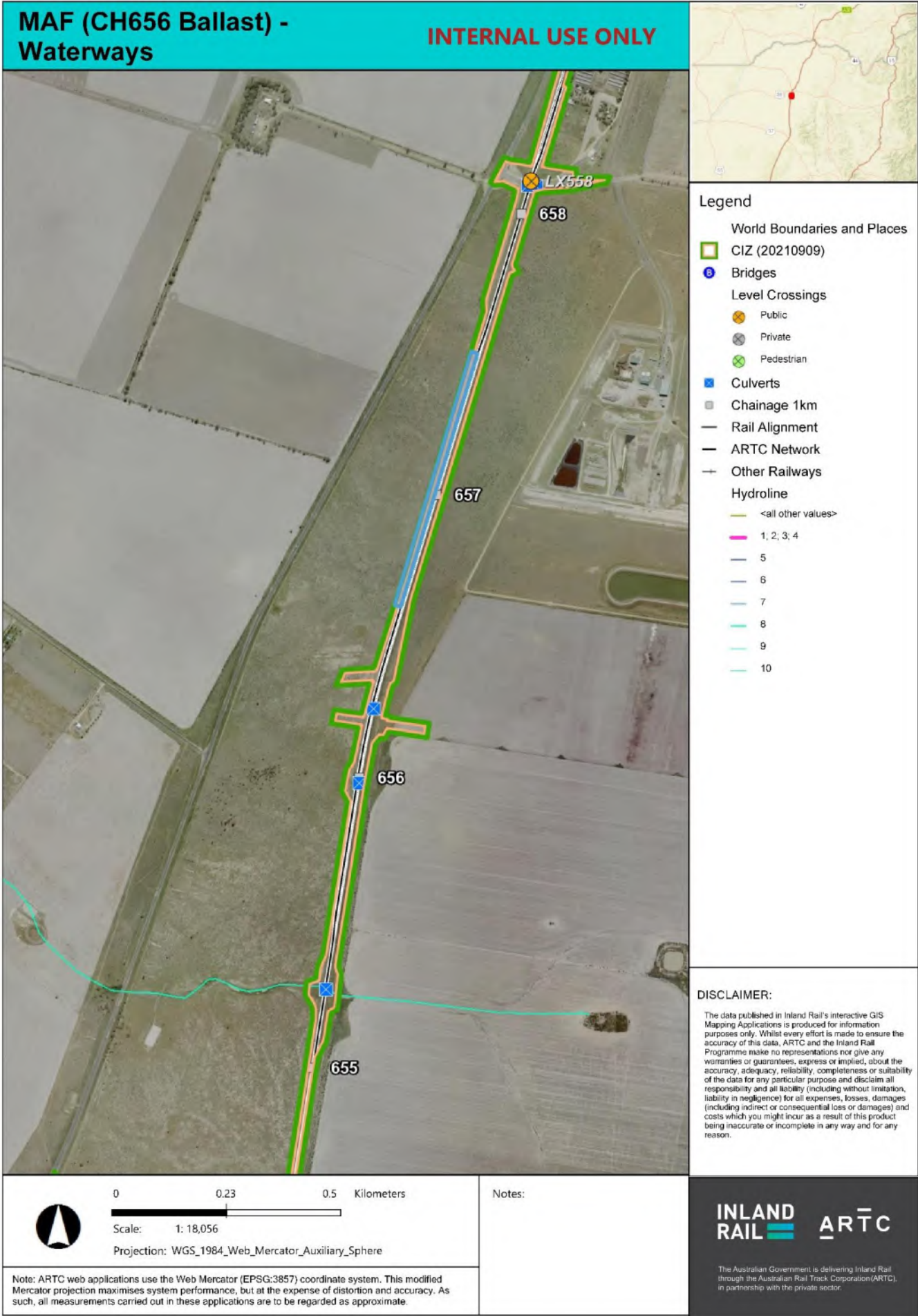
Appendix A: Site Location (incl. Environmentally Sensitive Areas)











Appendix B: Site Location (Co-ordinates)

1	Lat: 29.54539° S Lon: 149.84249° E
2	Lat: 29.54547° S Lon: 149.84269° E
3	Lat: 29.55319° S Lon: 149.83976° E
4	Lat: 29.55323° S Lon: 149.83996° E

Appendix C: Noise Estimator

[illegible]

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) *are located within the construction boundary; and*
- (b) *have been assessed by the ER to have –*
 - i. *low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and*
 - ii. *Low environmental impact with respect to waste management and flooding, and*
 - iii. *No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.*

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Clump Road)
Location:	Chainage 603.000 (Bellata, NSW)
Chainage:	CH602.500 – CH603.000
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	RU1 – Primary Production (Source: Narrabri Shire Council LEP)
Footprint / Size:	<9,000m ²
Use:	Minor Ancillary Facility (Clump Road) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo, and generator. ▪ Carparking for site personnel. ▪ General storage and laydown of construction equipment. ▪ Top and bottom ballast stockpile/s.
Site Surroundings:	Minor Ancillary Facility (Clump Road) is surrounded by: <ul style="list-style-type: none"> ▪ North: LX545, Rail line, and sparsely vegetated land. ▪ East: Newell Highway, and Agricultural (cropping) land. ▪ South: Rail Line, ephemeral waterway, and agricultural (cropping) land. ▪ West: Rail Line, sparsely vegetated land, and agricultural (cropping) land. <p>Access to Minor Ancillary Facility (Clump Road) will be provided via The Clump Road off the Newell Highway at access gate 10, LX545.</p>

	Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ During topsoil stripping in the Five-clawed Worm-skink habitat, fauna spotter-catchers will be present, further mitigation methods are addressed below and in the BMP. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing or alternative screening will be installed. ▪ Unless specified in a TfNSW approval, anti-gawking screens will not be applied adjacent this MAF location <p>NOTE: No bulk earthworks are required for the establishment of MAF (Clump Road).</p>

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (CH596.6- MOREE RD BALLAST) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>No sensitive (residential) receivers were identified within 1km of the proposed MAF (Clump Road) site.</p> <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Clump Road).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Clump Road) is located approximately 64m North of an unnamed ephemeral creek, 920m South of Bulldog Creek, approximately 575m West of a private storage dam, and approximately 900m West of a private storage dam.</p> <p>Approximately 5,700m (~63%) of the Southern end (CH602.550 – CH602.85) of the proposed MAF (Clump Road) site is located inside the area impacted by the existing 5% AEP flood zone (Blue highlighted in Appendix A). All general storage, construction equipment, and site caravan will be stored outside the impacted zone in the northern end of the MAF site. Only Ballast will be stored in the flood impacted zone, and in the event of a BOM flood warning, all ballast will be removed.</p>
Not within areas identified as threatened communities or species habitats beyond those already approved	Y	<p>Approximately 4,900m (~55%) of the proposed MAF (Clump Road) site is mapped as:</p>

Criteria	Compliant (Y) Yes (N) No	Comments
under the terms of the project approval (CoA A21(b)(iii))		<ul style="list-style-type: none"> - Zone - 6 - PCT-56 BVT-BR186, NA182-Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW-Derived Native Grasslands <p>And approximately 4,100m (~%45) of the proposed MAF (Clump Road) site is mapped as:</p> <ul style="list-style-type: none"> - Zone 0 - Cleared/Non-native Vegetation <p>No mapped native vegetation (PCTs), Threatened Ecological Communities (NSW BC Act OR Cwth EPBC Act) or Threatened Flora will be directly impacted by the establishment and operation of the MAF.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Clump Road) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Clump Road) site.</p> <p>The <i>Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Safe access to MAF (Clump Road) site will be provided via existing access track (The Clump Road) off the Newell Highway at approx. CH603. A transport for NSW (TfNSW) approved Road Occupancy Licence (ROL) is in place for the use of this access point from the Newell Highway (CH603). This ROL will be maintained whilst this access point is being utilised for the project. See appendix E.</p> <p>The Stage 1 Construction Traffic Management Sub Plan (TMP) has been prepared and approved by TfNSW. The TMP includes the upgrade of 10 Major and 18 Minor Construction Gates within Stage 1 in accordance with a TfNSW approved RoadNet Design. These construction gates will be used to access the MAFs within Stage 1.</p>
Relatively flat land	Y	Minor Ancillary Facility (Clump Road) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Clump Road) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard ▪ Rubbish and debris ▪ Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Clump Road) are considered minor and consistent with those impacts approved under SSI 7474.

Criteria	Compliant (Y) Yes (N) No	Comments
approved under SSI 7474 approval (CoA A21(b)(iii))		
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	Minor Ancillary Facility (Clump Road) has been assessed for visual impact from any surrounding sensitive receivers, including risk assessment by TfNSW. Boundary screen is not required at this MAF location. Anti-gawking screens will be applied were required by a TfNSW Approval.

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Clump Road) include:

- Mud tracking onto public roads associated with access and use of the MAF; and
- Dust and associated impacts to air quality resulting from access and use.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures


	Measure/Requirement	Responsibility	Timing/frequency
1)	The Project induction will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management: <ul style="list-style-type: none"> • Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) • The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan • Waste Management • The purpose of the No-Go Zones, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, heritage, threatened species, etc. • Hours of operation. • General noise related mitigation measures. 	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail's CPESC and implemented prior to and during site establishment.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means.	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
	Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).		
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP and the CSWMP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be within 50m of a waterway and must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable. Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP. In addition to this, the following measures will be undertaken; -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material.	Environmental Manager / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<ul style="list-style-type: none"> -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 		
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents. The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken prior to and during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers.	Environment Manager / Construction Supervisor	Construction

3. Certification


This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Maggie Wilton

Position: Environment & Sustainability Admin Assistant

Date: 03/04/2022

Signed: 

Name: Steve Fermio

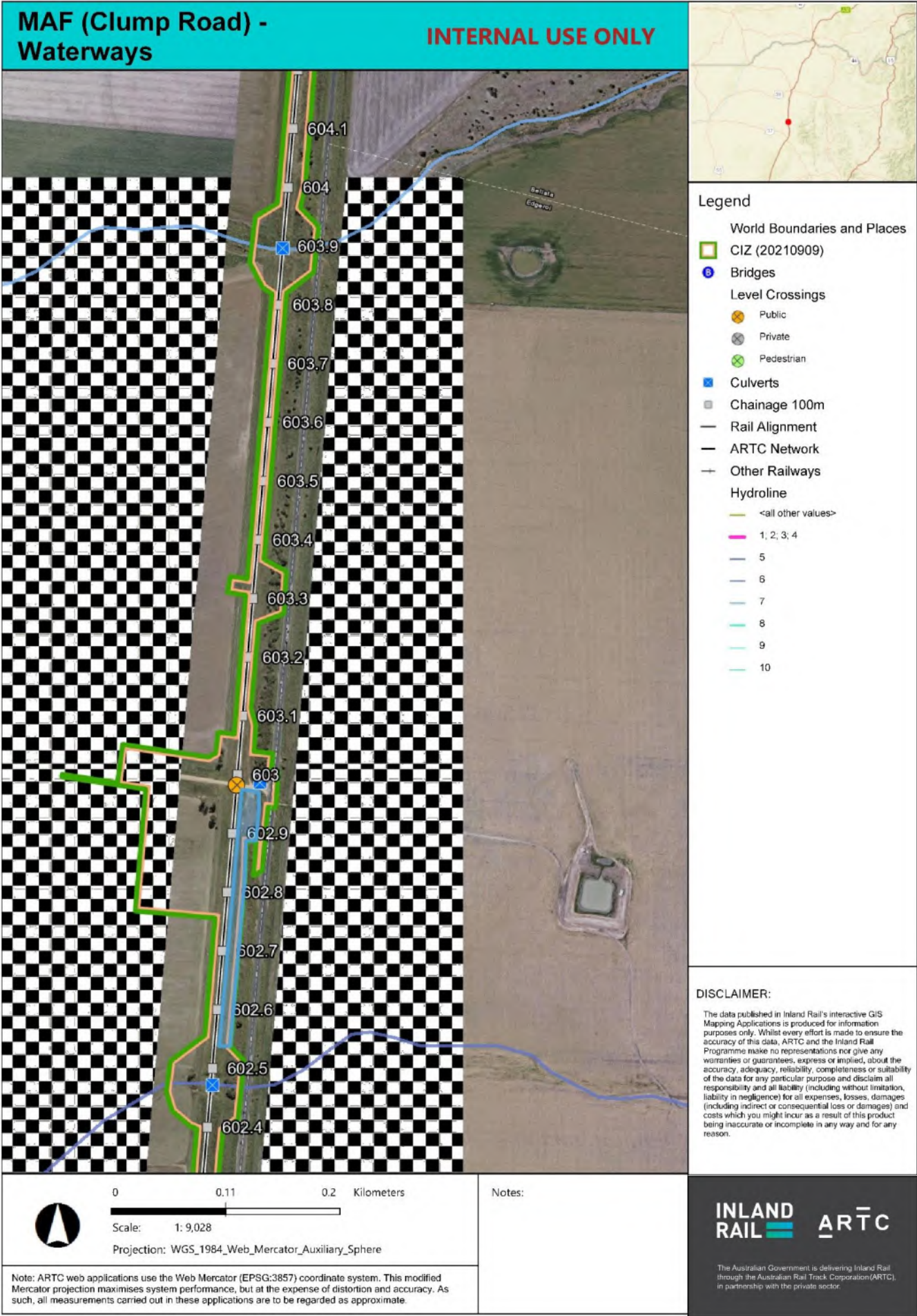
Position: Environmental Representative

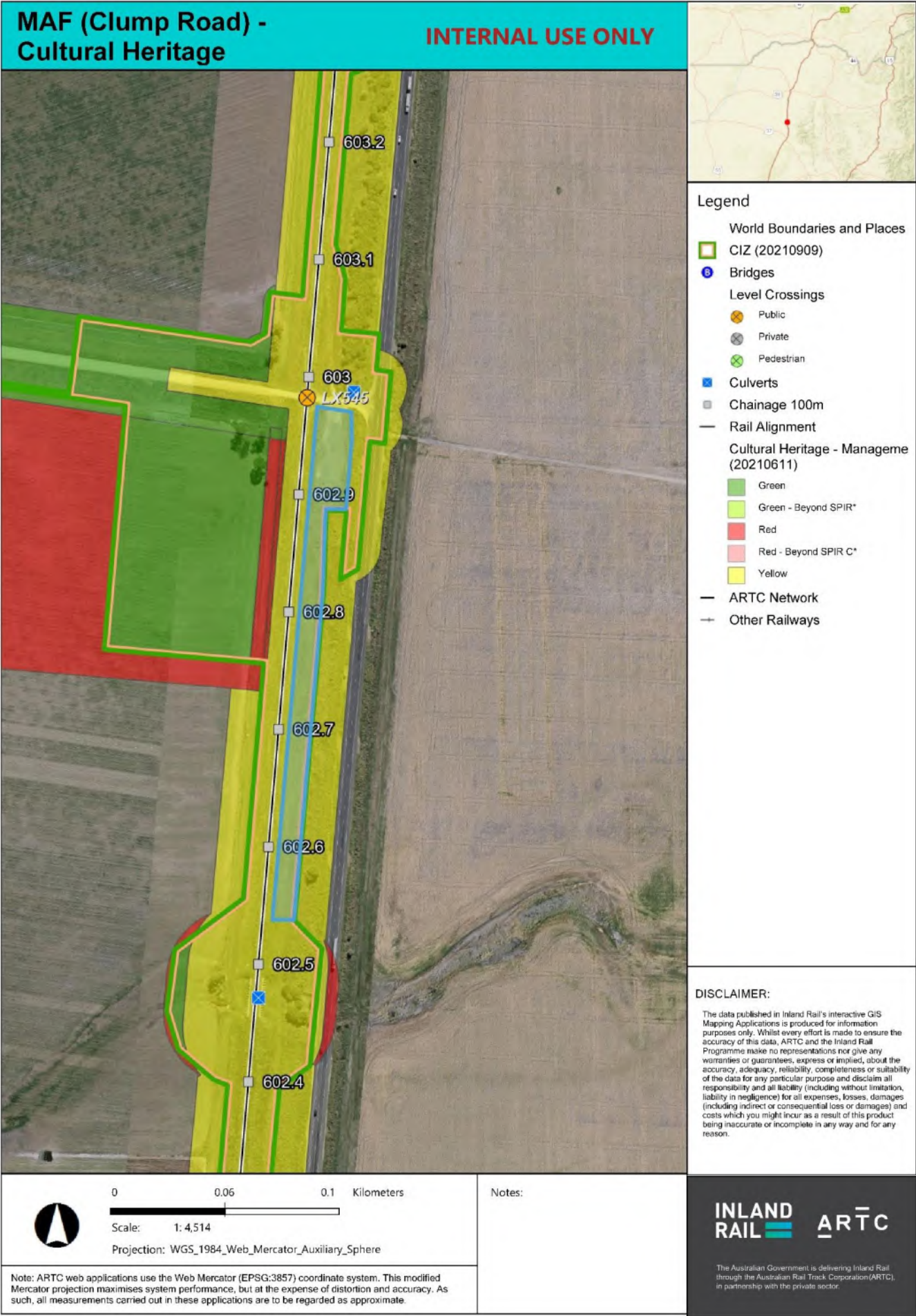
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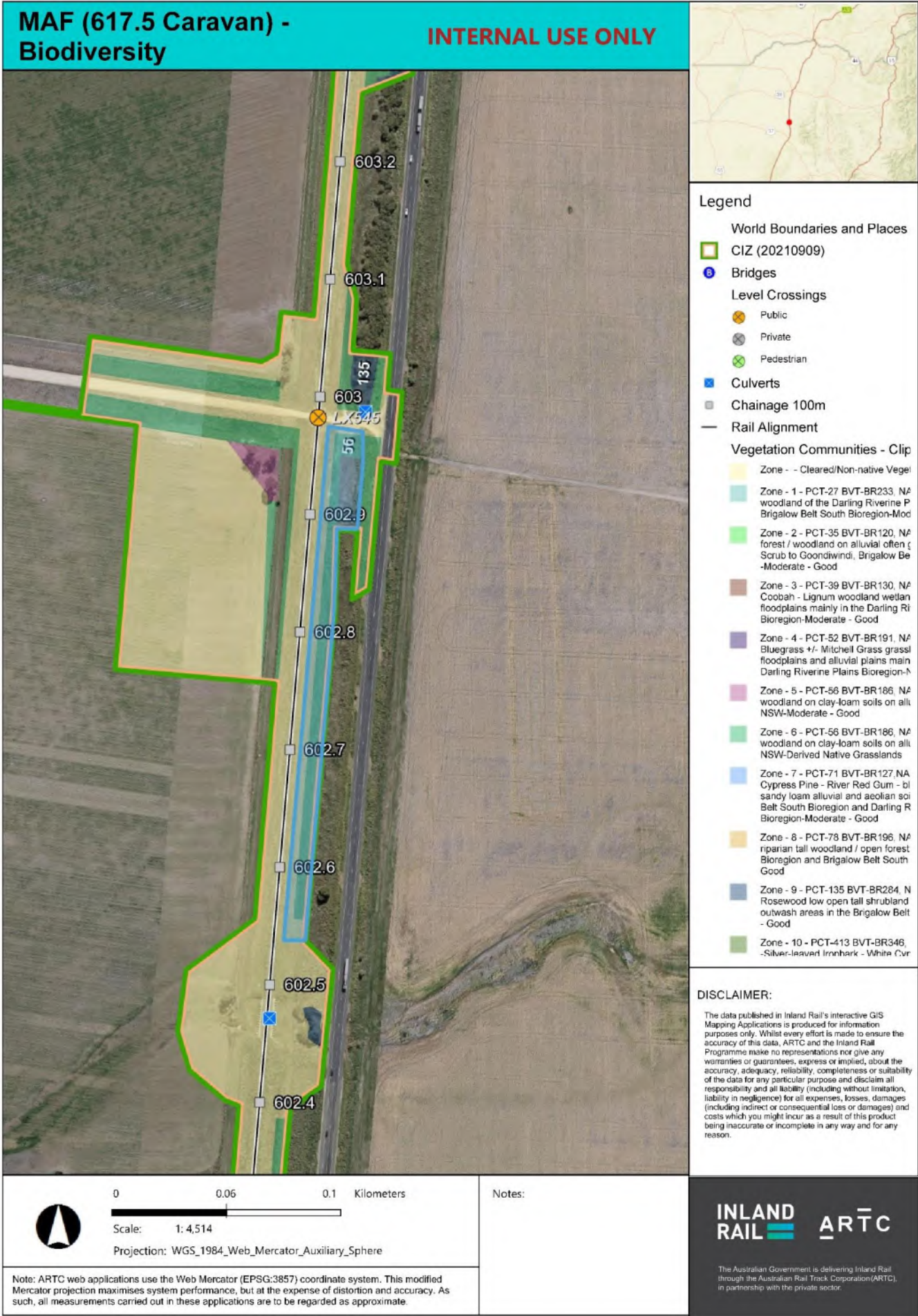
Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

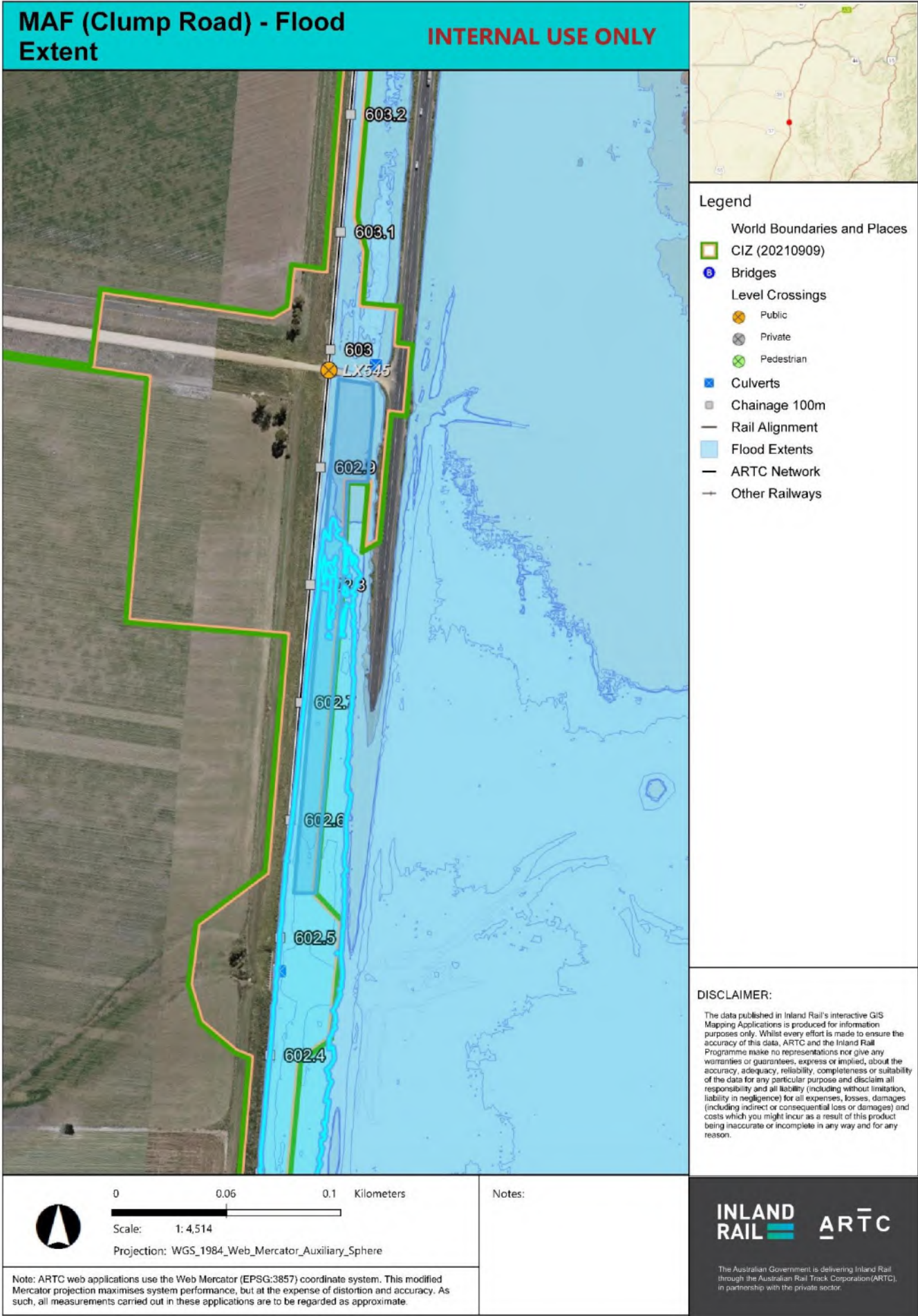
Appendix A: Site Location (incl. Environmentally Sensitive Areas)


















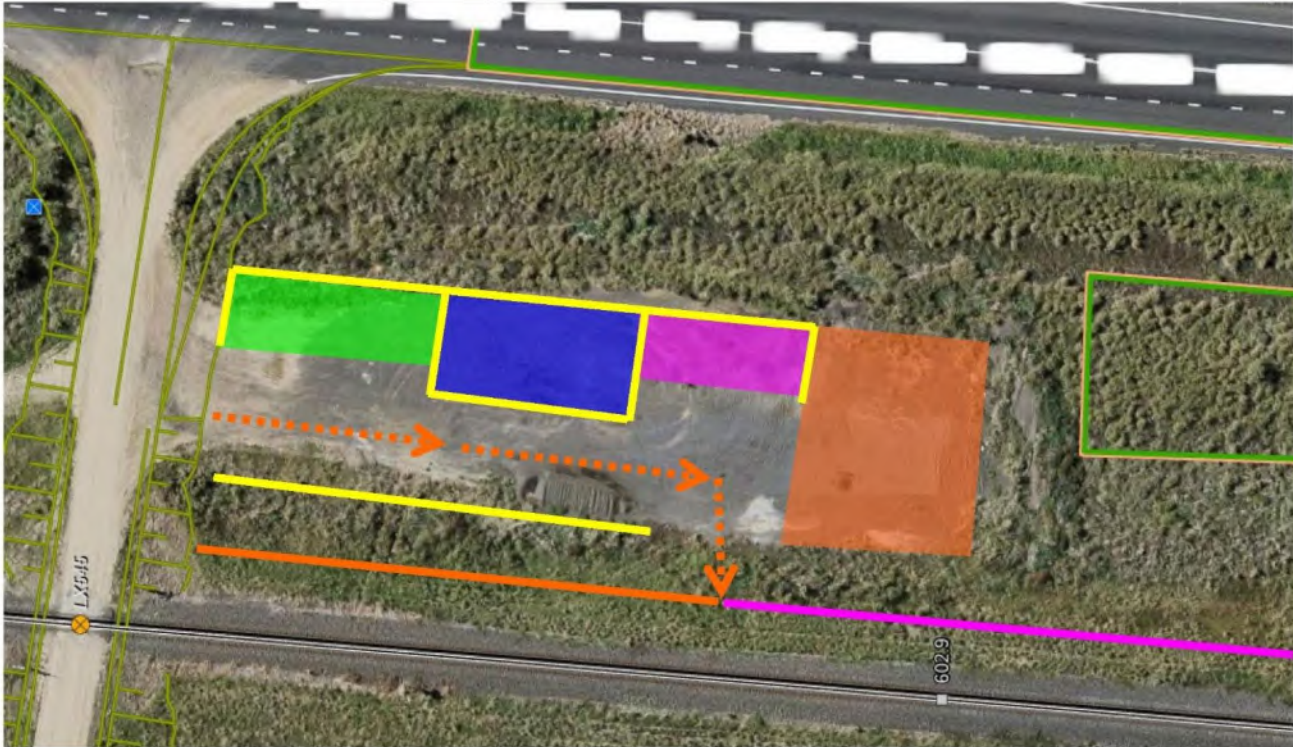








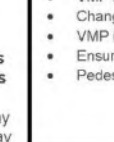
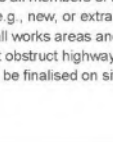
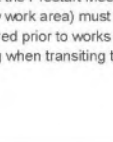
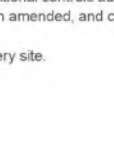








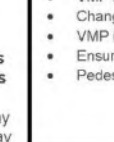
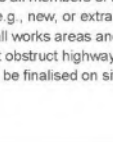
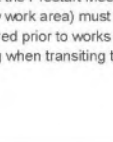
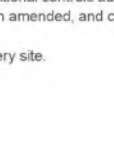








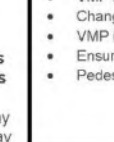
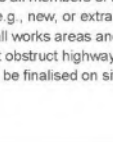
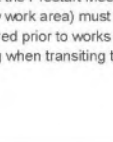
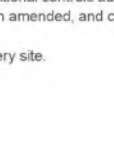




Appendix B: Site Location (Co-ordinates)

Co-ordinates	
1	Lat: 30.03137° S Lon: 149.78964 ° E
2	Lat: 30.03141° S Lon: 149.78994° E
3	Lat: 30.03530° S Lon: 149.78943° E
4	Lat: 30.03530° S Lon: 149.78924° E

Appendix D: Vehicle Movement Plan (VMP)

	Vehicle Movement Plan for <u>S1 – CH603.000 – LX545</u> Major Public – Gate 10		VMP No: 067 Rev Date: 14/03/2022						
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 									
Legend									
	Public Access		Alignment Access		Main Alignment Works Zone		General Laydown (See below)	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

	Vehicle Movement Plan for <u>S1 – CH603.000 – LX545</u> Major Public – Gate 10	VMP No: 067 Rev Date: 14/03/2022																													
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts:</p> <p>Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team:</p> <p>Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider:</p> <p>Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way; stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 																															
<p>Legend</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">  </td> <td style="width: 10%; text-align: center;"> Materials Laydown </td> <td style="width: 10%; text-align: center;">  </td> <td style="width: 10%; text-align: center;"> Crib Facilities </td> <td style="width: 10%; text-align: center;">  </td> <td style="width: 10%; text-align: center;"> LV Carpark </td> <td style="width: 10%; text-align: center;">  </td> <td style="width: 10%; text-align: center;"> HV Carpark </td> <td style="width: 20%;"> <p>Plan approval/acceptance</p> <p>Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530</p> <p>UHF Channel:</p> </td> <td style="width: 20%;"> <p>Plan Date: 11/03/2022</p> <p>Signature:</p> </td> </tr> <tr> <td style="text-align: center;">  </td> <td style="text-align: center;"> Lime Storage </td> <td style="text-align: center;">  </td> <td style="text-align: center;"> Ballast </td> <td style="text-align: center;">  </td> <td style="text-align: center;"> Delineation </td> <td style="text-align: center;">  </td> <td style="text-align: center;"> Pedestrian Access </td> <td style="text-align: center;">  </td> <td style="text-align: center;"> Mixed Access </td> <td style="text-align: center;">  </td> <td style="text-align: center;"> LV Access </td> <td style="text-align: center;">  </td> <td style="text-align: center;"> HV Access </td> <td style="text-align: center;">  </td> <td style="text-align: center;"> Solid 2-Way </td> <td style="text-align: center;"> Dash 1-Way </td> <td colspan="2"> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> </tr> </table>				Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	<p>Plan approval/acceptance</p> <p>Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530</p> <p>UHF Channel:</p>	<p>Plan Date: 11/03/2022</p> <p>Signature:</p>		Lime Storage		Ballast		Delineation		Pedestrian Access		Mixed Access		LV Access		HV Access		Solid 2-Way	Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
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		Vehicle Movement Plan for <u>S1 – CH603.000 – LX545</u> Major Public – Gate 10		VMP No: 067 Rev Date: 14/03/2022	
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053					
Legend		Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:			
Materials Laydown	Crib Facilities	LV Carpark	HV Carpark	Plan Date: 11/03/2022 Signature:	
Lime Storage	Ballast	Delineation	Pedestrian Access	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added. Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
				Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	

Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity: In Land Rail, Narrabri to North Star, Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greatersydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN CONTACT: road.access@transport.nsw.gov.au.
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 80 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 2000
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 60 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 2000
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/003****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 40 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

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SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/003****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**
Transport
Roads & Maritime
Services

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h
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 Light Vehicle Movements, Minor Heavy Vehicle
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LOCATION**TRAFFIC MANAGEMENT**
Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:
Distance(m): 500
Direction: All Directions
LICENSEE**ONSITE CONTACT**
Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563
APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

Minor Ancillary Facility Assessment

Introduction

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 - Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) *are located within the construction boundary; and*
- (b) *have been assessed by the ER to have –*
 - i. *low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and*
 - ii. *Low environmental impact with respect to waste management and flooding, and*
 - iii. *No impacts on biodiversity on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.*

To assess the proposed facility complete Part A. Minor Ancillary Facility Rapid Assessment and proceed to Part B. Minor Ancillary Facility Checklist where prompted by the notes. If not, forward the Rapid Assessment to the T4MR Environment Manager for approval.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility – Croppa Creek South
Location:	Rail Alignment, south of Buckie Road
Chainage:	CH733.400 – CH733.800
Program*:	Establish: March 2022 Operation: March 2022 – September 2022
Land Use:	Within ARTC rail alignment.
Footprint / Size:	25,000m ² (approx. 20,000m ² ballast stockpiling and 5,000m ² general laydown)
Use:	The Minor Ancillary Facility (Croppa Creek South) will be utilised for the following: <ul style="list-style-type: none"> - Caravan (mobile) site office, including generator, bins and carparking (western side of the alignment). - General laydown and storage of plant and equipment (western side of the alignment). - Storage of ballast (eastern side of alignment).
Site Surroundings:	The proposed Minor Ancillary Facility (Croppa Creek South) is surrounded by the following: <p>North: Croppa Creek level crossing (Buckie Road), Croppa Creek School and Sporting Club, sensitive receivers of Croppa Creek and rail alignment.</p> <p>East: Rail alignment and extensive agricultural land.</p> <p>South: GrainCorp rail siding / loading facility, sensitive receivers of Croppa Creek, rail alignment and extensive agriculture.</p> <p>West: Sensitive receivers of Croppa Creek.</p>

Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility (Croppa Creek South):</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and "No-Go Zone" signage. ▪ Water-filled (or concrete) barriers and anti-gawking screens (solid) will be installed along the western perimeter of the MAF site to; (a) provide screening to improve the impact to visual amenity to the adjacent sensitive receivers and to (b) reduce the noise impact to sensitive receivers. The combined water-filled or concrete barriers and anti-gawking screens stand approximately 2m high and the approximate location is shown in Appendix A. ▪ Establishment of the site's erosion and sediment controls will be installed in accordance with the site's Progressive Erosion and Sediment Control Plan. ▪ Preparation of the hardstand area by: (1) stripping of topsoil and stockpiling for re-use during rehabilitation of the site (2) placement of clean rock or ballast material across the footprint of the MAF. ▪ Mobilisation of site facilities i.e. the trailer based (caravan-style) site office, portoloo, etc will be mobilised to site. <p>The establishment of the pad will take approx. 1 weeks to complete.</p>
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*NOTE: Subject to weather and unexpected site conditions

Part A. Minor Ancillary Facility Rapid Assessment

Criteria	Yes	No	Notes
1. Does the proposed facility consist only of a mobile site office (caravan style), a port o-loo and / or a carpark?			If yes, proceed to Q2. If no, proceed to Part B.
2. Are earthworks, ground disturbance or pad construction required specifically to establish the facility?			If yes, proceed to Part B. If no, proceed to Q3.
3. Is the proposed facility located entirely within the SPIR Construction Impact Zone (CIZ)?			If yes, proceed to Q4. If no, seek advice from the Environment Team.
4. Is the proposed facility located within 150m of a sensitive receiver?			If yes, proceed to Part B. If no, proceed to Q5.
5. Is the proposed facility located within a mapped Threatened Ecological Community?			If yes, proceed to Part B. If no, proceed to Q6.
6. Is the proposed facility located within 50m of a mapped or named waterway?			If yes, proceed to Part B. If no, proceed to Q7.
7. Is the proposed facility located within 50m of a known heritage area or item?			If yes, proceed to Part B. If no, proceed to Part A approval.

If the *Part A. Minor Ancillary Facility Rapid Assessment* has not triggered *Part B. Minor Ancillary Facility Checklist*, the proposed facility is not considered a Minor Ancillary Facility (as per CoA A21) and may be approved by the Trans4m Rail Environment Manager.

Name: Pippa Donaldson

Position: Trans4m Rail Environment Manager

Signature:

Date: / /2021

NOTE: The signed and approved copy of the Part A approval must be provided to ARTC and the ER for information.

Part B. Minor Ancillary Facility Checklist

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility (Croppa Creek South) against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 2: Minor Ancillary Facility – CoA A21 Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	Minor Ancillary Facility (Croppa Creek South) occurs on land that's within the Project's Submissions Preferred Infrastructure Report (SPIR) Construction Impact Zone. Refer to Appendix A for location.
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>The proposed MAF is located immediately adjacent the township of Croppa Creek. The operation of the MAF has been modelled and estimated to impact (noise estimated to exceed the Project's NML) all residents of the Township of Croppa Creek, estimated to be 20 individual residences. In addition to these residential receivers, the following other sensitive receivers (OSR) are expected to be impacted:</p> <ul style="list-style-type: none"> - Croppa Creek School - Croppa Creek Sports Club - GrainCorp - Croppa Creek General Store - McGregor Gourlay Agriculture supplies <p>Due to the close proximity of these sensitive receivers to the proposed Minor Ancillary Facility (Croppa Creek South), the predicted noise impact associated with the operation of the MAF was assessed using the TfNSW Noise Estimator Tool and compared to the Noise Management Levels (NML) for the Project. NOTE: The operation of the MAF is considered to represent the worst case noise scenario, which includes the operation of the laydown on the western side of the alignment and loading / unloading of ballast on the eastern side of the alignment. Refer to Appendix B for the full assessment.</p> <p>The noise assessment predicted impacts of up to 20dB over the Projects NML at the closest sensitive receiver during operation. Due to the anticipated impact, the following measures will be taken:</p> <ul style="list-style-type: none"> - The establishment and operation of the MAF will only be undertaken during standard construction hours. - Community Notification and Consultation has occurred via a letter box drop for all residential and other sensitive receivers impacted by the MAF and the facilitation of a

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>community drop-in session. Refer to Appendix F for consultation material.</p> <ul style="list-style-type: none"> - Installation of a noise barrier along the western perimeter of the MAF to minimise the visual and noise impacts to the adjacent sensitive receivers. - Noise monitoring undertaken using a calibrated noise meter during the following periods; pre-establishment (baseline) and during the operational phase of the MAF. - Early morning (before 7:00am) pre-start meetings are not permitted at the proposed Croppa Creek South MAF. These would either be held at the Croppa Creek / Moree Road MAF at CH730.200 or at the Croppa Creek MAF at CH734.800. The proposed MAF (Croppa Creek South) would only be utilised for later pre starts (after 7am) and sign ins. <p>No sensitive receivers are considered highly noise impacted (>75dB).</p> <p>Due to the predicted noise impact, additional background noise monitoring was undertaken (15min monitoring intervals) to determine the current noise levels experienced in Croppa Creek. The monitoring events included:</p> <p>27/10/2021 (3:30 – 3:45pm) – Laydown (MAF) Location</p> <p>28/10/2021 (6:01 – 6:16am) – Adjacent sensitive receiver</p> <p>The above monitoring identified L_{A90} of 36.2dB and 34.2dB for the 27th Oct and 28th Oct, respectively. Refer to the Field Monitoring Records for additional details. Notwithstanding this, background monitoring typically requires more substantial monitoring to accurately define the RBL, however the monitoring undertaken suggests that the current background noise levels experienced at Croppa Creek are different to those captured during the EIS (2016). These being:</p> <p>Project EIS Noise Assessment (Source: <i>Section 2.4 Environmental Impact Statement Technical Report 5: Noise and Vibration Assessment</i>)</p> <ul style="list-style-type: none"> - 01st – 10th March 2016 at CH734 (L03NNS) identified the following RBLs at monitoring location L03NNS (L_{A90}): <ul style="list-style-type: none"> o Daytime – 27dB o Evening – 30dB o Night-time – 35dB <p>NOTE: The RBL for the Project was set at 30dB.</p> <p>The monitoring undertaken on the 27th Oct (L_{A90} - 36.2dB) exceeded the daytime RBL (27dB) reported in the Project EIS and the RBL set for the project (30dB). However, the monitoring undertaken on the 28th Oct (34.2dB) was less than the night time</p>

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>RBL reported during the Project EIS, but exceeded the RBL set for the project (30dB).</p> <p>The worst case noise scenario assessment was re-run incorporating the RBL's reported during the monitoring on the 27th Oct and the 28th Oct. Refer to Appendix C for the noise assessment.</p> <p>The updated noise assessment predicted impacts of up to 14dB over the revised NML at the closest sensitive receiver during operation.</p> <p>To ensure the residents of Croppa Creek understand the potential impact associated with the establishment and operation of the MAF, the following consultation activities were undertaken:</p> <ul style="list-style-type: none"> - Community Information Session held on the Wednesday, 6 October 2021 from 4pm. - Post Office drop to all letter boxes of Croppa Creek including the Community Notification document and Feedback Form provided. - Face to face consultation. - Community Notification Letter and Feedback Forms provided at the Croppa Creek store. <p>During the information session, post office drop or face to face contacts, no major concerns were raised in relation to the establishment or operation of the MAF. The completed feedback forms can be provided upon request.</p> <p>Refer to Appendix A for the location of residential and other sensitive receivers.</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Croppa Creek South) site is located >50m from any named waterways or mapped drainage lines. The closest waterways / drainage lines include:</p> <ul style="list-style-type: none"> - Un-named drainage feature located approx. 120m to the north-east. - Croppa Creek Tributary located approx. 880m to the north-west. - Croppa Creek located approx. >1km to the north. <p>The proposed MAF (Croppa Creek South) site is located outside the area impacted by the existing 5% AEP flood event, but within the area impact by the 1000yrARI and Probable Maximum Flood (PMF), as shown in Appendix A.</p> <p>Refer to Appendix A for details.</p>
Not within areas identified as threatened communities or species habitats beyond those	Y	<p>The entire MAF (Croppa Creek South) site is mapped as Cleared / Non-Native Vegetation. No mapped EEC, threatened species or koala habitat will be impacted by the establishment or operation of the MAF.</p>

Criteria	Compliant (Y) Yes (N) No	Comments
already approved under the terms of the project approval (CoA A21(b)(iii))		Refer to Appendix A for details.
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Croppa Creek South) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Croppa Creek South) site.
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	Access to the Minor Ancillary Facility (Croppa Creek South) will be provided from Buckie Road to an unnamed private access road to the MAF. The access road utilised to access will not be utilised until landholder approval is sought.
Relatively flat land	Y	Minor Ancillary Facility (Croppa Creek South) is located on flat land with <0.5m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	The establishment and operation of the proposed MAF (Croppa Creek South) will generate minor waste volumes. These waste streams will generally consist of the following: <ul style="list-style-type: none"> Wastewater Wastepaper / cardboard Rubbish and debris Food waste The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below. Flooding risk has been addressed above.
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Croppa Creek South) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business	Y	Screening will be applied as detailed in the works methodology above.

Criteria	Compliant (Y) Yes (N) No	Comments
operators or landowners (COA A22)		

A locational map, environmental constraints and co-ordinates have been provided in Appendix A.

Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Croppa Creek South) include:

- Dust and associated impacts to air quality resulting from access and operation of the MAF;
- Noise impacts to neighbouring sensitive receivers; and
- Mud tracking onto the local road network of Croppa Creek.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/ frequency
1)	Site inductions will include the site-specific requirements relating to traffic and access, noise, dust and air quality, surface water, erosion & sediment control management works.	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail CPESC and implemented throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Croppa Creek South). Refer to attached consultation material.	Comms Team	Pre-Construction
4)	Controls must be in place to prevent tracking dirt and mud onto public roads.	Construction Supervisor	Construction
5)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs through use of a street sweeper or other means.	Construction Supervisor	Construction
6)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
7)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
8)	The MAF footprint must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
9)	Groundcover to be progressively re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
10)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
	any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.		
11)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
12)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
13)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
14)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.	Environmental Manager / Construction Supervisor	Construction
15)	The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents. The frequency of use will be modified depending on the prevailing wind and weather conditions. Due to the close proximity of sensitive receivers, the Croppa Creek MAF will take priority over other sites when it comes to dust management (i.e. water cart).	Construction Supervisor	Construction
16)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
17)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
18)	All establishment works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
19)	Notification undertaken prior to and during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
20)	Water-filled (or concrete) barriers and anti-gawking screens (solid) will be installed along the western perimeter of the MAF site to; (a) provide screening to improve the impact to visual amenity to the adjacent sensitive receivers and to (b) reduce the noise impact to sensitive receivers. The combined water-filled or concrete barriers and anti-	Environment Manager / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	gawking screens stand approximately 2m high and the approximate location is shown in Appendix A.		
21)	Noise monitoring using a calibrated noise meter will be undertaken by a suitably experienced person prior to site establishment works commencing. The intent of the monitoring is to understand the current noise levels experienced at the site prior to the establishment and operation of the MAF.	Environment Manager	Pre-construction
22)	Noise monitoring using a calibrated noise meter will be undertaken by a suitably experienced person within 2 weeks of the MAF becoming fully operational. The intent of the monitoring is to confirm the results provided by the noise model and to determine if any additional noise mitigation measures are required to achieve the predicted noise levels.	Environment Manager	Construction
23)	Early morning (before 7:00am) pre start meetings are not permitted at the proposed Croppa Creek South MAF. These would either be held at the Croppa Creek / Moree Road MAF at CH730.200 or at the Croppa Creek MAF at CH734.800. The proposed MAF (Croppa Creek South) would only be utilised for later pre starts (after 7am) and sign ins.	Site Supervisor	Construction

Certification

This Minor Ancillary Facility Assessment provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.



Signed:

Name: Pippa Donaldson (Adam Playne (pp))

Position: Trans4m Rail Environment Manager

Date: 26/04/2022

Signed: [Steve Fermio](#)

Name: Steve Fermio

Position: Environmental Representative

Date: 28/04/2022

Appendix A: Site Location (incl. Environmental Sensitive Areas)

Croppa Creek - Minor Ancillary Facility - Anti-gawking Screen Locations

INTERNAL USE ONLY



Legend

- World Boundaries and Places
- CIZ (SPIR)
- Chainage 100m
- Rail Alignment
- Residential Receivers
- Sensitive Receivers
 - Active recreation
 - Aged care
 - Education
 - Health
 - Passive recreation
 - Religious
- ARTC Network
- Other Railways



0 0.06 0.1 Km

Scale: 1: 4,514

Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes: Yellow - Approx. Location of anti-gawking screens

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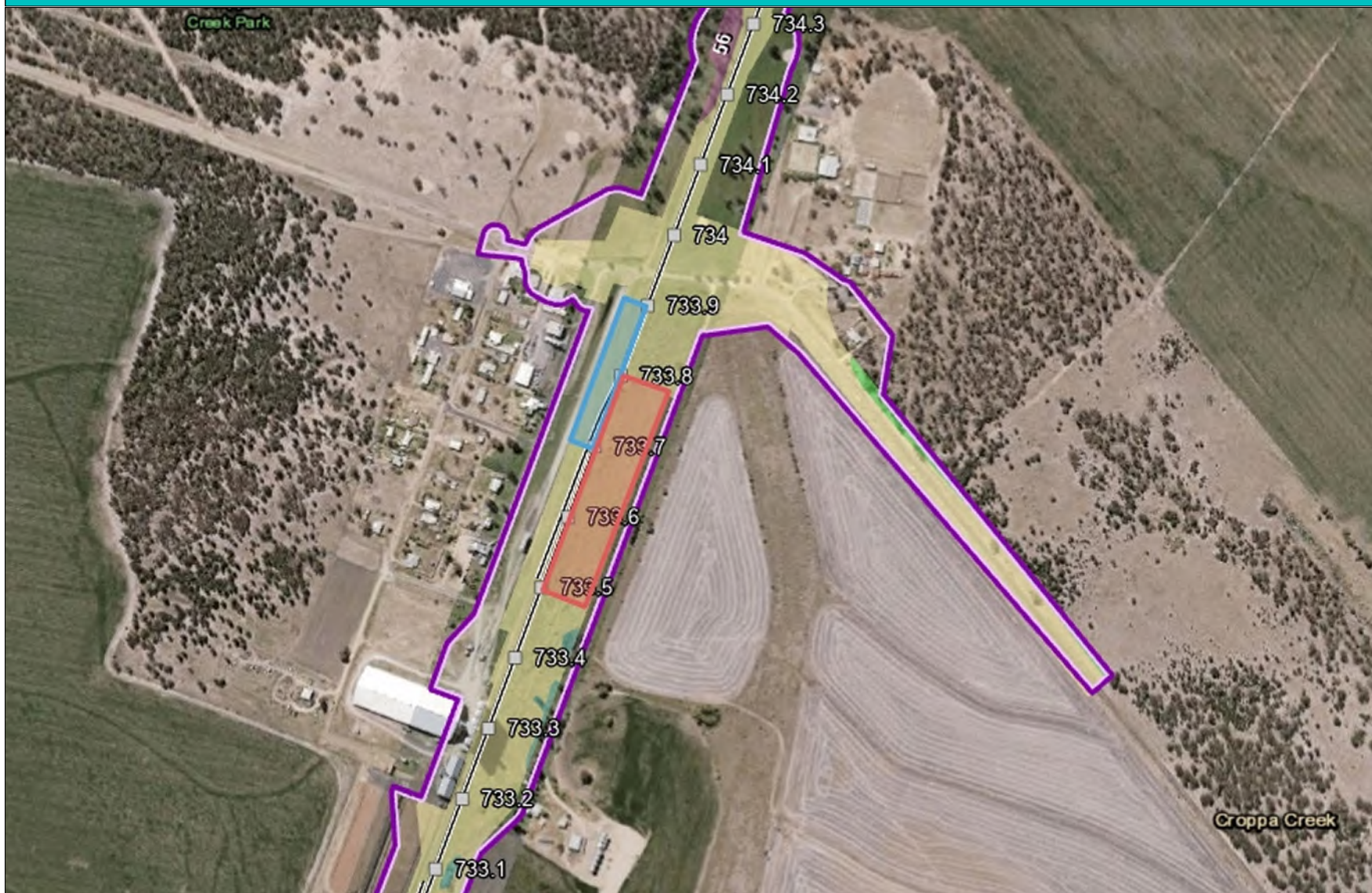
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Croppa Creek - Minor Ancillary Facility - Biodiversity

INTERNAL USE ONLY



Legend

- World Boundaries and Places
- CIZ (SPIR)
- Chainage 100m
- Rail Alignment
- Vegetation Communities - Clip
 - Zone - Cleared/Non-native Vegetation
 - Zone - 1 - PCT-27 BVT-BR233, NA woodland of the Darling Riverine PI Brigalow Belt South Bioregion-Moderate
 - Zone - 2 - PCT-35 BVT-BR120, NA forest / woodland on alluvial often g Scrub to Goondiwindi, Brigalow Belt -Moderate - Good
 - Zone - 3 - PCT-39 BVT-BR130, NA Coobah - Lignum woodland wetland floodplains mainly in the Darling Riverine Bioregion-Moderate - Good
 - Zone - 4 - PCT-52 BVT-BR191, NA Bluegrass +/- Mitchell Grass grassland floodplains and alluvial plains mainly Darling Riverine Plains Bioregion-N
 - Zone - 5 - PCT-56 BVT-BR186, NA woodland on clay-loam soils on allu NSW-Moderate - Good
 - Zone - 6 - PCT-56 BVT-BR186, NA woodland on clay-loam soils on allu NSW-Derived Native Grasslands
 - Zone - 7 - PCT-71 BVT-BR127, NA1 Cypress Pine - River Red Gum - b/c sandy loam alluvial and aeolian soil Belt South Bioregion and Darling Riverine Bioregion-Moderate - Good
 - Zone - 8 - PCT-78 BVT-BR196, NA riparian tall woodland / open forest / Bioregion and Brigalow Belt South I Good



0 0.11 0.2 Km

Scale: 1: 9,028

Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes: Red - Ballast stockpile
Blue - Caravan and material / equipment laydown

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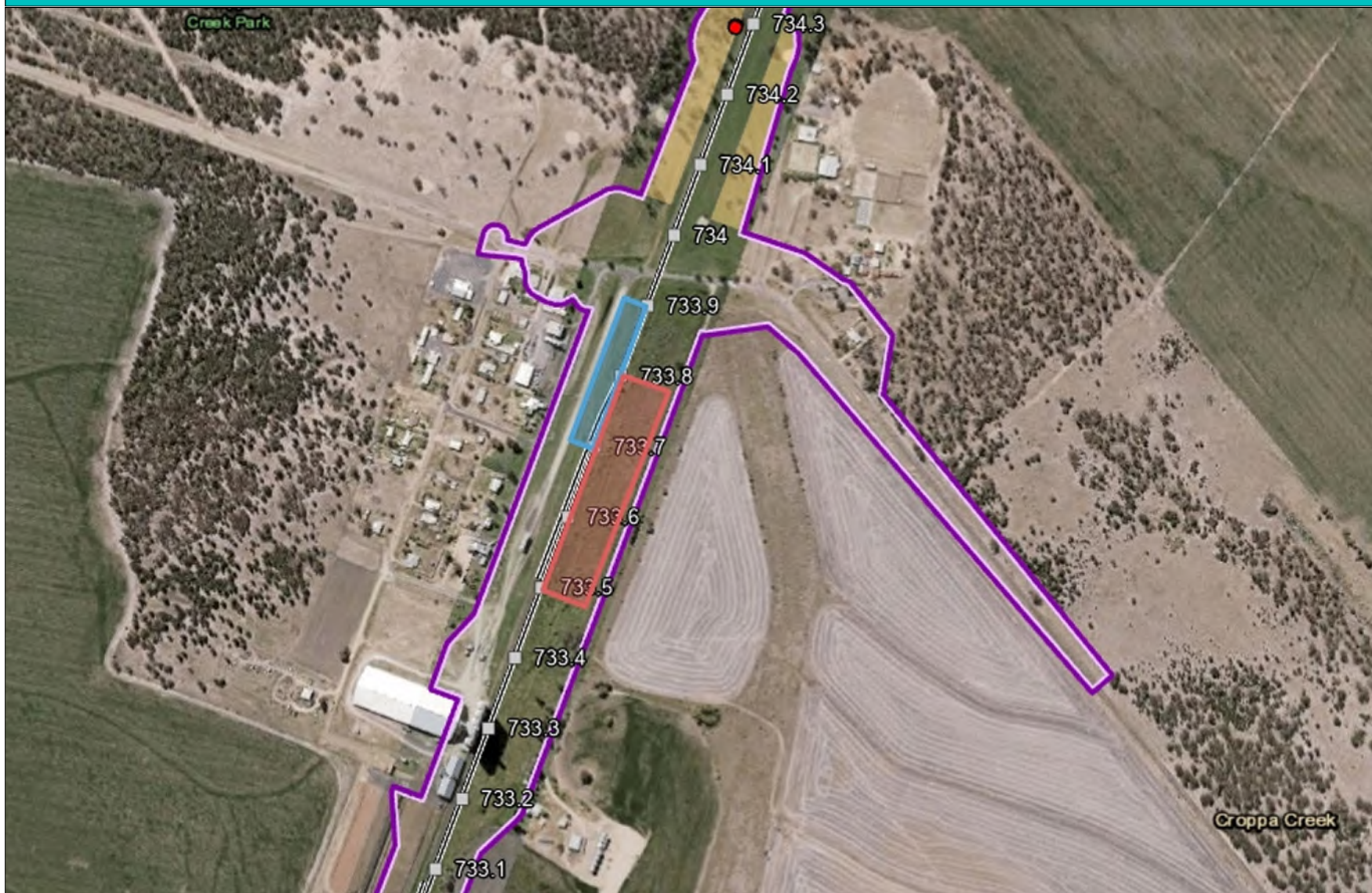
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Croppa Creek - Minor Ancillary Facility - Cultural Heritage

INTERNAL USE ONLY



Legend

- World Boundaries and Places
- CIZ (SPIR)
- Chainage 100m
- Rail Alignment
- Cultural Heritage Sites - Features (20210611)
 - Artefact
 - Burial
 - Ceremonial Ring (Stone or Earth)
 - Modified Tree (Carved or Scarred)
 - Open Camp Site
 - Potential Archaeological Deposit (P)
 - Stone Quarry
 - Survey Marker Tree
- Cultural Heritage Sites - Not Significant (20210611)
- AHIMS Locations - 20210330 I
- T5909 - New Sites (20200925)
- T5909 - Additional Niche Surveys
- ARTC Network
- Other Railways



0 0.11 0.2 Km

Scale: 1: 9,028

Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes: Red - Ballast stockpile
Blue - Caravan and material / equipment laydown

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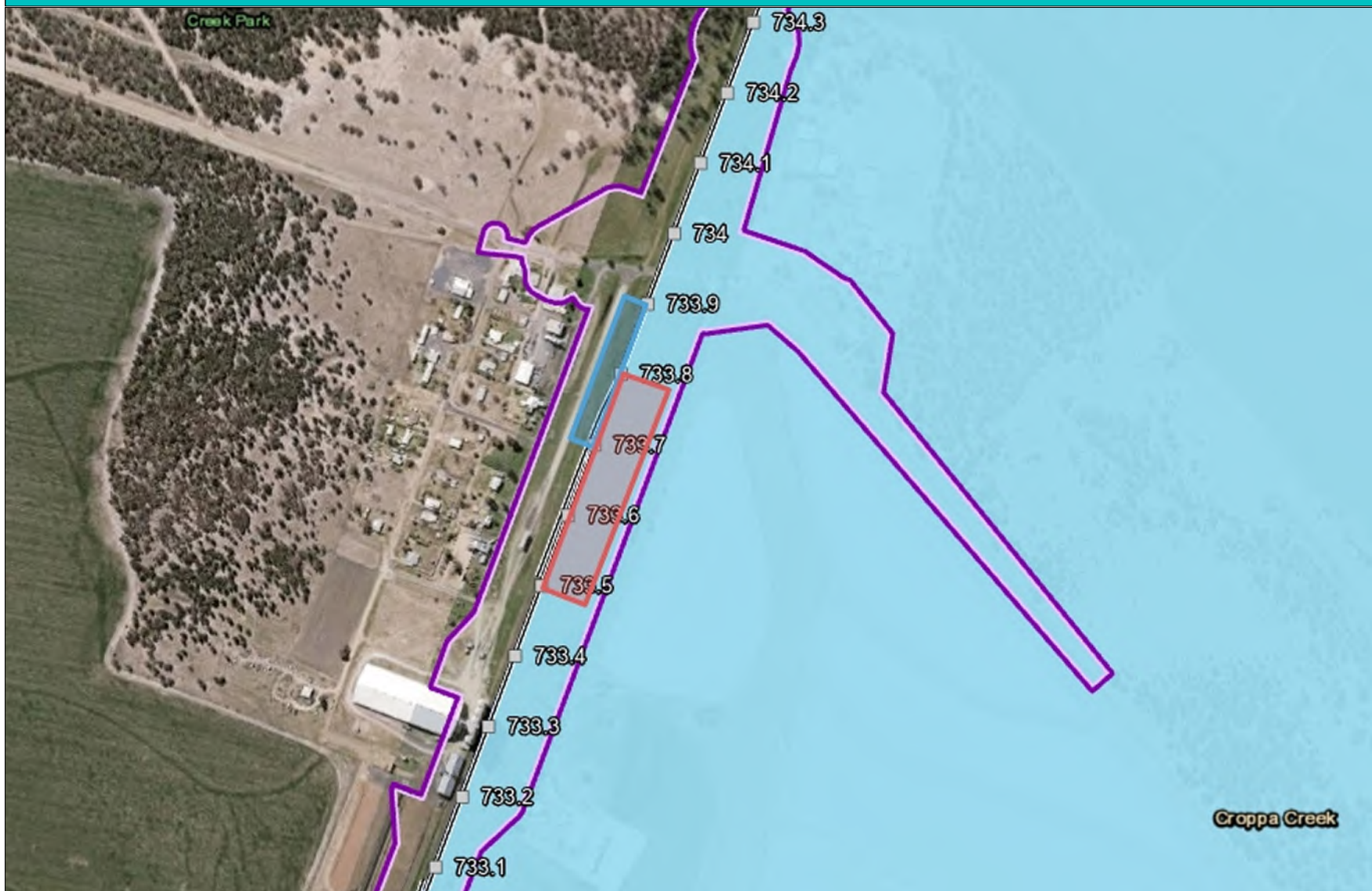
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Croppa Creek - Minor Ancillary Facility - Flood Extents

INTERNAL USE ONLY



Legend

- World Boundaries and Places
- CIZ (SPIR)
- Chainage 100m
- Rail Alignment
- Flood Extents
- ARTC Network
- Other Railways



0 0.11 0.2 Km

Scale: 1: 9,028

Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes: Red - Ballast stockpile
Blue - Caravan and material / equipment laydown

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Croppa Creek - Minor Ancillary Facility - Sensitive Receivers

INTERNAL USE ONLY



Legend

- World Boundaries and Places
- CIZ (SPIR)
- Chainage 100m
- Rail Alignment
- Residential Receivers
- Sensitive Receivers
 - Active recreation
 - Aged care
 - Education
 - Health
 - Passive recreation
 - Religious
- ARTC Network
- Other Railways



0 0.11 0.2 Km

Scale: 1: 9,028

Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes: Red - Ballast stockpile
Blue - Caravan and material / equipment laydown

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Croppa Creek - Minor Ancillary Facility - Mapped Waterways / Drainage Lines

INTERNAL USE ONLY



Legend

World Boundaries and Places

CIZ (SPIR)

Chainage 1km

Rail Alignment

ARTC Network

Other Railways

Hydroline

<all other values>

1; 2; 3; 4

5

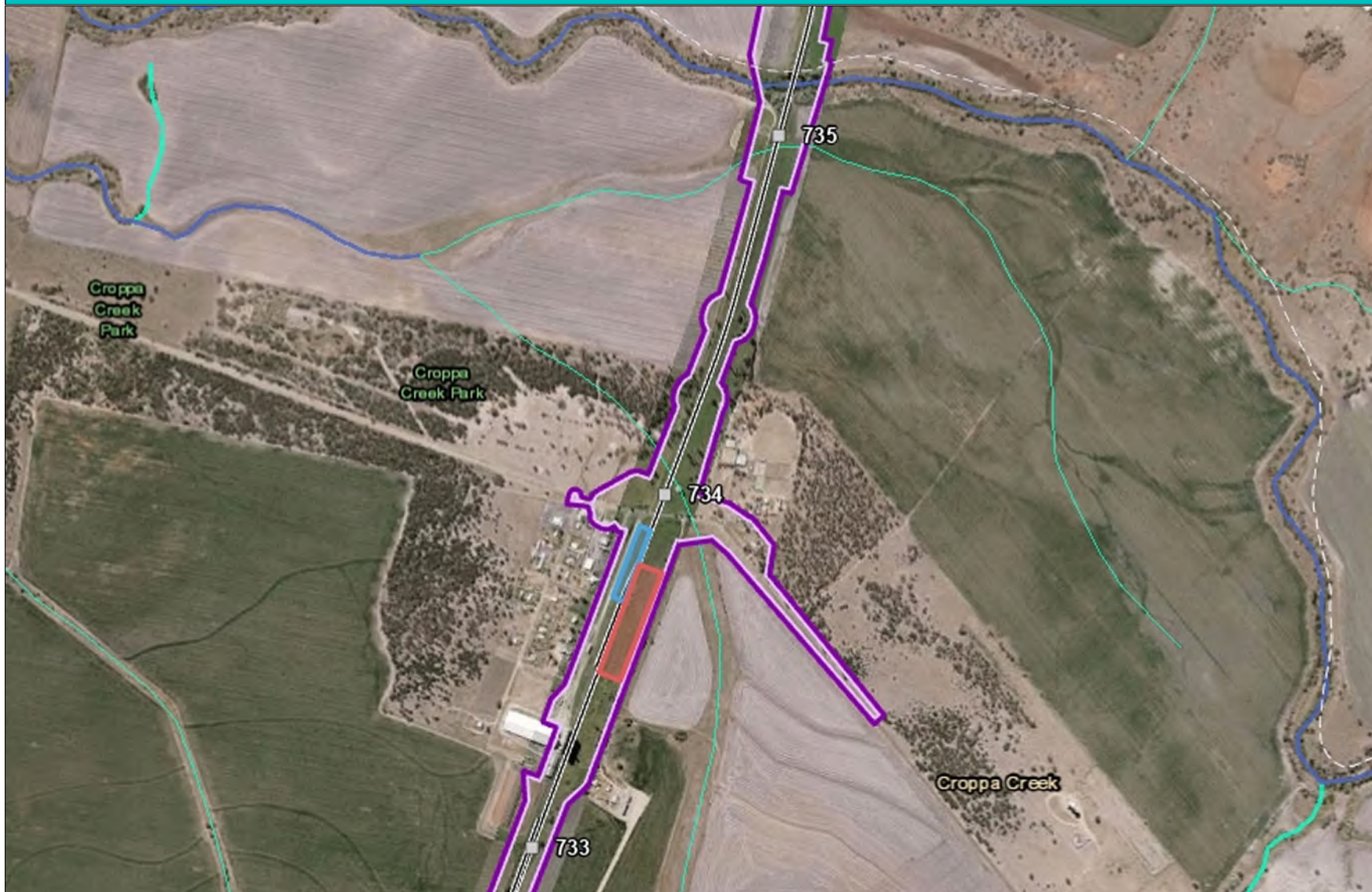
6

7

8

9

10



0 0.23 0.5 Km

Scale: 1: 18,056

Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes: Red - Ballast stockpile
Blue - Caravan and material / equipment laydown

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Croppa Creek - Minor Ancillary Facility

INTERNAL USE ONLY



Legend

- World Boundaries and Places
- CIZ (SPIR)
- Bridges
 - Public
 - Private
 - Pedestrian
- Level Crossings
 - Culverts
- Chainage 100m
- Rail Alignment
- ARTC Network
- Other Railways



0 0.11 0.2 Km

Scale: 1: 9,028

Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes: Red - Ballast stockpile
Blue - Caravan and material / equipment laydown

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[illegible]

Please input information into yellow cells

Please pick from drop-down list in orange cells

Project name		Inland Ball (NZNS)	
Scenario name	Receiver address	Cropola Creek (MAF) - Project (NW/IS) RBL 5	
Select area ground type	Select type of background noise level input	Cropola Creek	
		Undeveloped green fields (rural areas with isolated dwellings)	User Input
Noise area category		Representative Noise Environment	User Input
RBL of L ₉₀ Background level (dB(A))	Day		36
	Evening		35
	Night		35
L _{eq} (5min) Noise management level (dB(A))	Day		46
	Evening		41
	Night		41

Is all plant at the same representative distance to the receiver? Y/N	N
Representative distance (m)	

Using Individual Distances!

Type/ model plant (See Sources Sheet)	SWL L _{eqs} (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	is there line of sight to receiver? y/n	Quantity correction	Shielding (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Front End Loader	112	87	1	100	No (behind solid barrier)	0	-5	100	56
	110	85	1	100	No (behind solid barrier)	0	-5	100	54
	108	83	1	100	No (behind solid barrier)	0	-5	100	52
	103	83	1	60	No (behind solid barrier)	0	-5	60	56
Truck (20tonne)	112	87	1	100	Yes	0	0	100	-838
	110	85	1	100	Yes	0	0	100	-838
	108	83	1	100	Yes	0	0	100	-838
	103	83	1	60	Yes	0	0	60	-838
Light trailers (eg 4WU)	112	87	1	100	Yes	0	0	100	-838
	110	85	1	100	Yes	0	0	100	-838
	108	83	1	100	Yes	0	0	100	-838
	103	83	1	60	Yes	0	0	60	-838
Concrete Truck	112	87	1	100	Yes	0	0	100	-838
	110	85	1	100	Yes	0	0	100	-838
	108	83	1	100	Yes	0	0	100	-838
	103	83	1	60	Yes	0	0	60	-838

Total SPL L Acq(15minute) (dB(A))	60
-----------------------------------	----

Residential receiver		Non-residential receivers					Offices, retail outlets
		Classroom at schools and educational institutions	Hospital wards and operating theatres	Place of worship	Active recreation	Industrial premises	
Noise Management Level (dB(A))	Standard hours	46					
	Day (OOHW)	47	55	55	65	75	70
	OOHW Period 1	47	55	55	60	75	70
	OOHW Period 2	47	55	55	65	75	70
	Standard hours	24		55		75	
Level above background (dB(A))	Day (OOHW)	24					
	OOHW Period 1	24					
	OOHW Period 2	24					
	Standard hours	14					
	Day (OOHW)	14					
Level above NML (dB(A))	Standard hours	19	5		5	0	
	OOHW Period 1	19	5	5	5	0	
	OOHW Period 2	19		5			
	Standard hours	N, V					
	Day (OOHW)	N, R1, DR					
Additional mitigation measures	OOHW Period 1	N, R1, DR					
	OOHW Period 2	N, R1, DR					
	Standard hours	N, R1, DR					
	Day (OOHW)	N, R1, DR					
	OOHW Period 1	N, R1, DR					

Appendix D: Noise Monitoring Records (27th & 28th Oct 2021)



Noise Sampling Record

Inland Rail: Narrabri to North Star

Chainage: 733.85 Date & Time: 15:30 27/10/21.Location: Croppa Creek Township Laydown.

Calibration	Pre-Measurement	Post-Measurement
Calibration Time:	<u>15:22</u>	
Calibration Level:		

Start Time: 15:30 End Time: 15:45 Duration: 15 min.
 GPS Coordinates: 29.126 150.3058.
 Nearest Sensitive Receiver: House to West.

Weather Conditions:

Wind Speed: NIL Wind Direction: NIL Temperature: Warm.
 Humidity: Cloud Cover: 20%.

Results of Noise Quality Monitoring:

Test	Measurement (dB)
1	<u>LA90 36.2 dB.</u>
2	
3	
4	
5	

Major Construction Noise Source(s) During Monitoring: NIL

Other Noise Source(s) During Monitoring: Crain trucks heading to silo.
Cars through town.

Comments: _____

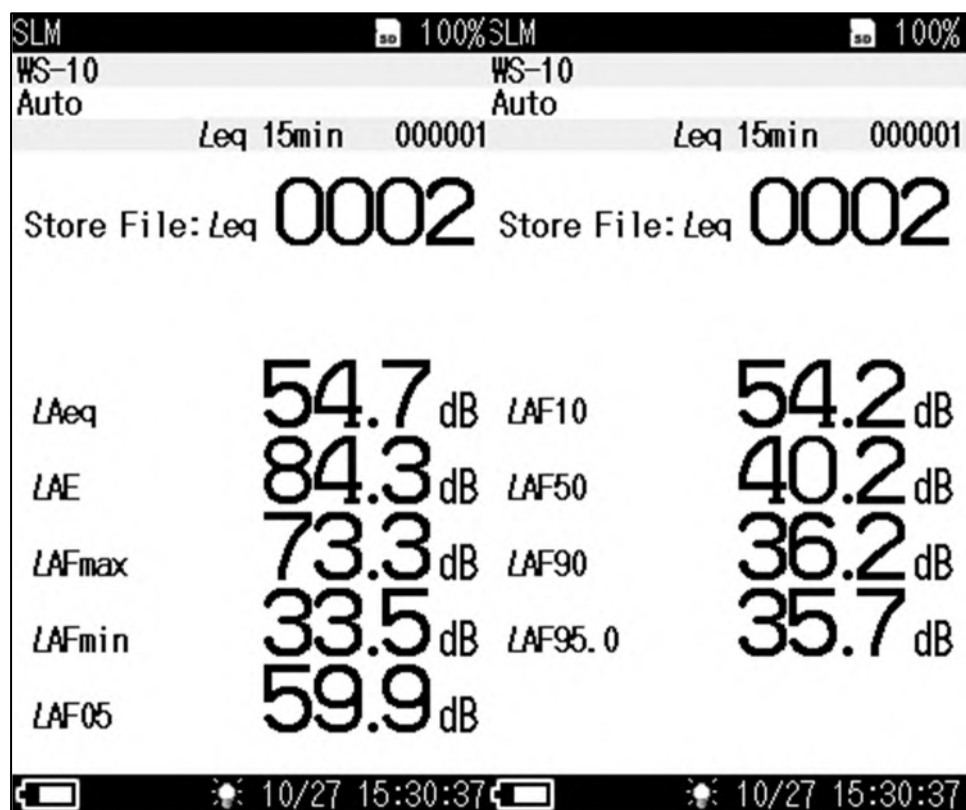
Sampled By:	Date:
<u>Kristian Hancock</u>	<u>27/10/21</u>

Revision No: 1

When printed this document is an uncontrolled version

Issue Date: 29/07/2021

File 2.





Noise Sampling Record

Inland Rail: Narrabri to North Star

Chainage: 734.25 Date & Time: 6:01 AM 28/10/21
 Location: Croppa Creek East Side Adjacent to Sensitive Rec.

Calibration	Pre-Measurement	Post-Measurement
Calibration Time:	<u>5:50 AM</u>	
Calibration Level:		

Start Time: 6:01 AM End Time: 6:16 AM Duration: 15 MIN
 GPS Coordinates: 29.1227 150.3081
 Nearest Sensitive Receiver: _____

Weather Conditions:

Wind Speed: NFL/Minor Wind Direction: NNW Temperature: _____
 Humidity: _____ Cloud Cover: Zero

Results of Noise Quality Monitoring:

Test	Measurement (dB)
1	<u>LA90 34.2dB</u>
2	
3	
4	
5	

Major Construction Noise Source(s) During Monitoring: Coupe of sites accessing site.

Other Noise Source(s) During Monitoring: Birds Chirping

Comments: _____

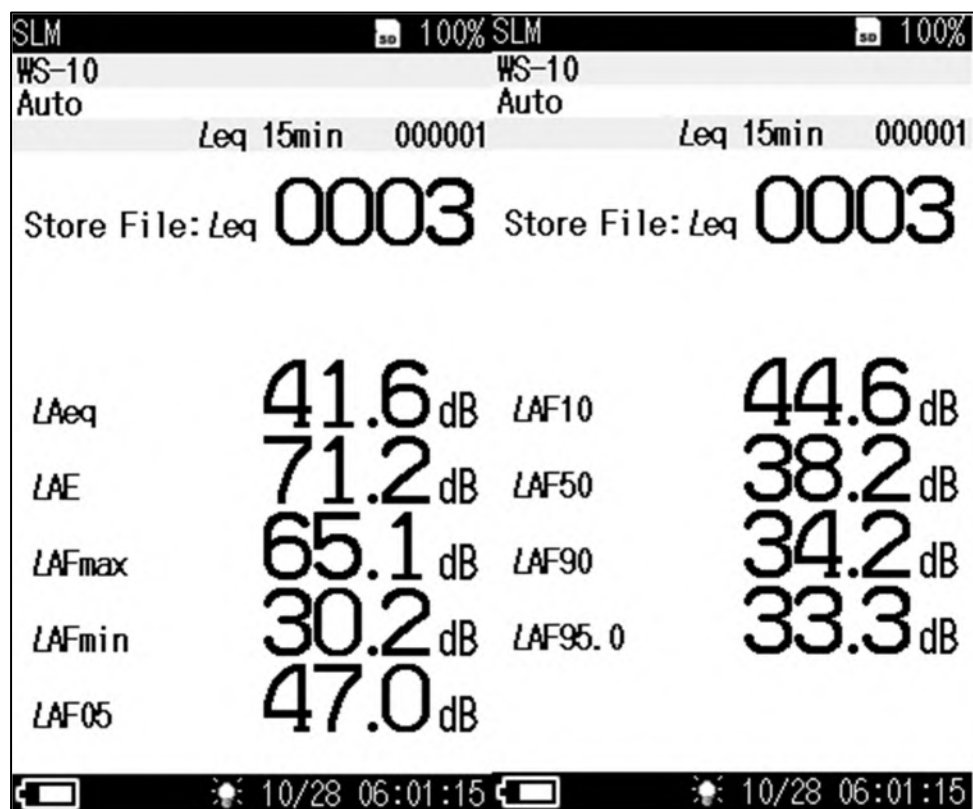
Sampled By: Kristian Hancock Date: 28/10/21

File 3.

Revision No: 1

When printed this document is an uncontrolled version

Issue Date: 29/07/2021



Appendix E: Approx. Site Location (Co-ordinates)

Eastern Polygon	
1	Lat: 29.12638° S Lon: 150.30633° E
2	Lat: 29.12655° S Lon: 150.30694° E
3	Lat: 29.12912° S Lon: 150.30579° E
4	Lat: 29.12893° S Lon: 150.30521° E
Western Polygon	
1	Lat: 29.12544° S Lon: 150.30637° E
2	Lat: 29.12554° S Lon: 150.30666° E
3	Lat: 29.12724° S Lon: 150.30594° E
4	Lat: 29.12713° S Lon: 150.30562° E

Appendix F: Community and Stakeholder Engagement Material

Temporary Croppa Creek Construction Materials Storage Area

CONSULTATION FORM

Trans4m Rail will construct a temporary construction materials storage area south-east of the Buckie Road level crossing, Croppa Creek, from February 2022 that will contain construction items, site office facilities and machinery.

The works area will be adjacent to the rail alignment. Works to establish the area will occur between **7am and 6pm Monday to Sunday**, weather permitting.

The temporary storage area is required for the purpose of the Inland Rail construction and will be utilised as a minor storage facility, with a focus on ballast storage.

We ask you to please sign the enclosed form acknowledging that noise, traffic and vibration impacts may occur and that you're supportive of the proposal.

Name: _____ Address: _____

Phone: _____ Email: _____

I understand and agree that there will be noise, traffic and vibration impacts associated with the Croppa Creek materials storage area (to the east of the alignment), with works occurring between **7am and 6pm Monday to Sunday**, and I support the proposal.

Sign: _____

Date: _____

Do you have additional comments or concerns?

Please complete this form and return it to Trans4m Rail's Stakeholder Engagement Advisor, Laura Colley, by emailing laura.colley@t4mr.com.au. Should you like to arrange collection please phone **0437 380 045**.

Establishing temporary Croppa Creek construction materials storage area

INLAND
RAIL



TRANS4M
RAIL

Trans4m Rail will construct a temporary construction materials storage area south-east of the Buckie Road level crossing, Croppa Creek, from February 2022 that will contain storage of ballast materials, construction items, site office facilities and machinery.

The works area will be adjacent to the rail alignment. Works to establish the area will occur between **7am** and **6pm Monday to Sunday**.

The site is located south of level crossing 918 and east of rail alignment. This is in addition to the storage site to the west of the alignment. Barriers will be installed along the west of the alignment boundary to mitigate impacts.

What can I expect?

- Trucks and other vehicles will enter and exit the construction site via Buckie Road to the rail alignment
- Construction machinery and equipment operating on site
- Delivery of materials and equipment
- Motorists should follow traffic controls and drive with caution
- Some of these works will be noisy and mitigation measures will be in place.

Machinery used

Trucks, front end loaders, graders, dozers, rollers, stabilisers and water/vacuum excavation trucks will be used within the construction impact zone.

How we're managing impacts

- Installation of barriers for safety, noise and visual amenity
- Traffic control will be in place, where required
- Water carts will be on site to wet down areas to assist in managing dust.



Croppa Creek Laydown Site
New Storage Material Site (in blue)
Existing minor storage material site (in red)
Construction impact zone (in green/yellow)

What will the storage area be used for?

- Caravan site office and portaloos facilities
- Storage of construction materials, including precast drainage and bridge components
- Light vehicle parking
- Stockpile of ballast materials
- Loading of materials to the ballast train

Thank you for your patience and cooperation while we carry out these works.

Contact us

📞 1800 732 761

✉ inlandrailnsw@artc.com.au

✉ ARTC Inland Rail, GPO Box 14, Sydney NSW 2001

ARTC

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Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) *are located within the construction boundary; and*
- (b) *have been assessed by the ER to have –*
 - i. *low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and*
 - ii. *Low environmental impact with respect to waste management and flooding, and*
 - iii. *No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.*

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Edgeroi Laydown)
Location:	CH593.1 (Edgeroi, NSW)
Chainage:	CH593.1- CH593.3
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	RU1 – Primary Production (Source: Narrabri Shire Council LEP)
Footprint / Size:	<28,500m ²
Use:	<p>Minor Ancillary Facility (Edgeroi Laydown) will be utilised for the following purposes:</p> <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage ▪ Laydown and structures ▪ Top and Bottom Ballast (20t at any one time) ▪ Capping materials
Site Surroundings:	<p>Minor Ancillary Facility (Edgeroi Laydown) is surrounded by:</p> <ul style="list-style-type: none"> ▪ North: Rail Line, LX543, Carroona Ln, Edgeroi township, agricultural (cropping) land. ▪ East: Rail line, Newell Highway, sparsely vegetated land, and agricultural (cropping) land. ▪ South: Rail line, and agricultural (cropping) land.

	<ul style="list-style-type: none"> West: Agricultural (cropping) land. <p>Access to Minor Ancillary Facility (Edgeroi Laydown) will be provided via Tarlee Road, off the Newell highway to CH593.35. Major public access gate will be constructed. See Appendix D.</p>
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. Unless specified in a TfNSW approval, anti-gawking screens will not be applied adjacent this MAF location. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Edgeroi Laydown).</p>

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Edgeroi Laydown) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>Nine (9) sensitive (residential) receivers were identified within 1km of the proposed MAF (Edgeroi Laydown) site.</p> <p><i>190.64m NNS_Rx0741</i></p> <p><i>350.90m NNS_Rx0742</i></p> <p><i>376.25m NNS_Rx0743</i></p> <p><i>323.96m NNS_Rx0744</i></p> <p><i>336.40m NNS_Rx0745</i></p> <p><i>420.01m NNS_Rx0746</i></p> <p><i>475.12m NNS_Rx0747</i></p> <p><i>435.49m NNS_Rx0748</i></p> <p><i>502.27m NNS_Rx0749</i></p> <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the site establishment of the proposed MAF (Edgeroi Laydown). One</p>

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>(1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – site establishment) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p>Scenario 1: MAF establishment (i.e Grader, Tracked Excavator, Delivery Truck).</p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - Sensitive receivers are located at the following locations: <ul style="list-style-type: none"> ○ NN3_Rx0741, located 190.64m North of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 55dB, which is 15dB above the daytime NML for the Project. Refer to Appendix C. ○ NN3_Rx0742, located 350.90 North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 47dB, which is 7dB above the daytime NML for the project. ○ NN3_Rx0743, located 376.25m North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 47dB, which is 7dB above the daytime NML for the project. ○ NN3_Rx0744, located 323.96m North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 47dB, which is 7dB above the daytime NML for the project. ○ NN3_Rx0745, located 336.40m North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 48dB, which is 8dB above the daytime NML for the project. ○ NN3_Rx0746, located 420.01m North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 45dB, which is 5dB above the daytime NML for the project. ○ NN3_Rx0747, located 475.12m North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 44dB, which is 4dB above the daytime NML for the project. ○ NN3_Rx0748, located 435.49m North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 45dB, which is 5dB above the daytime NML for the project. ○ NN3_Rx0749, located 502.27m North-East of the MAF. This Sensitive Receiver is expected to

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>experience noise impacts of 43dB, which is 7dB above the daytime NML for the project.</p> <p>- The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works.</p> <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Edgeroi Laydown).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Edgeroi Laydown) is located approximately 371.04m North of Tarlee Creek.</p> <p>The proposed MAF (Edgeroi Laydown) site is outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <28,500m² (~100%) of the proposed MAF (Edgeroi Laydown) site is mapped as</p> <ul style="list-style-type: none"> - <i>Zone 0 - Cleared/Non-native Vegetation</i> <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Edgeroi Laydown) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Edgeroi Laydown) site.</p> <p>The <i>Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Access to Minor Ancillary Facility (Edgeroi Laydown) will be provided via Tarlee Road, off the Newell highway to CH593.35. Major public access gate will be constructed. See Appendix D.</p> <p>The Stage 1 Construction Traffic Management Sub Plan (TMP) has been prepared and approved by TfNSW. The TMP includes the upgrade of 10 Major and 18 Minor Construction Gates within Stage 1 in accordance with a TfNSW approved RoadNet Design. These construction gates will be used to access the MAFs within Stage 1.</p>
Relatively flat land	Y	Minor Ancillary Facility (Edgeroi Laydown) is located on relatively flat land with <1m fall across the site.

Criteria	Compliant (Y) Yes (N) No	Comments
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Edgeroi Laydown) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> Wastewater Wastepaper / cardboard Rubbish and debris Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Edgeroi Laydown) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	<p>Minor Ancillary Facility (Edgeroi Laydown) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.</p> <p>Anti-gawking screens will be applied where required by a TfNSW Approval.</p>

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Edgeroi Laydown) include:

- Dust and associated impacts to air quality resulting from access and use; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures


	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) 	Environmental Manager	Pre-construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<ul style="list-style-type: none"> The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan Waste Management The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. Hours of operation. General noise related mitigation measures. 		
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads. These will be detailed in the CPESC Approved ESCP.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	<p>Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 	Environmental Manager / Construction Supervisor	Construction
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers.	Environment Manager / Construction Supervisor	Construction

3. Certification


This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed:  _____

Name: Maggie Wilton

Position: Trans4m Rail Enviro & Sustainability Admin Assistant

Date: 13/04/2022

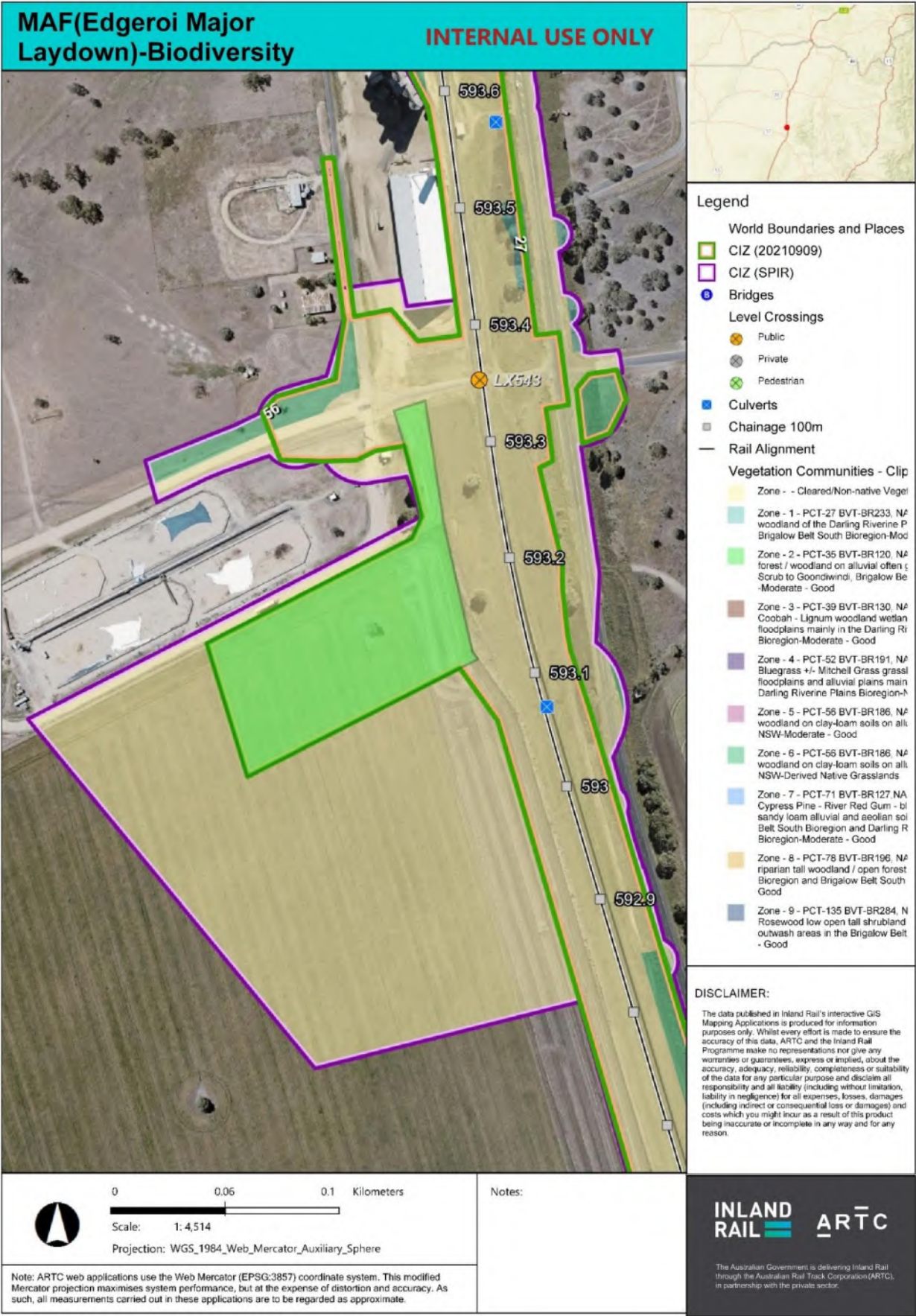
Signed:  _____

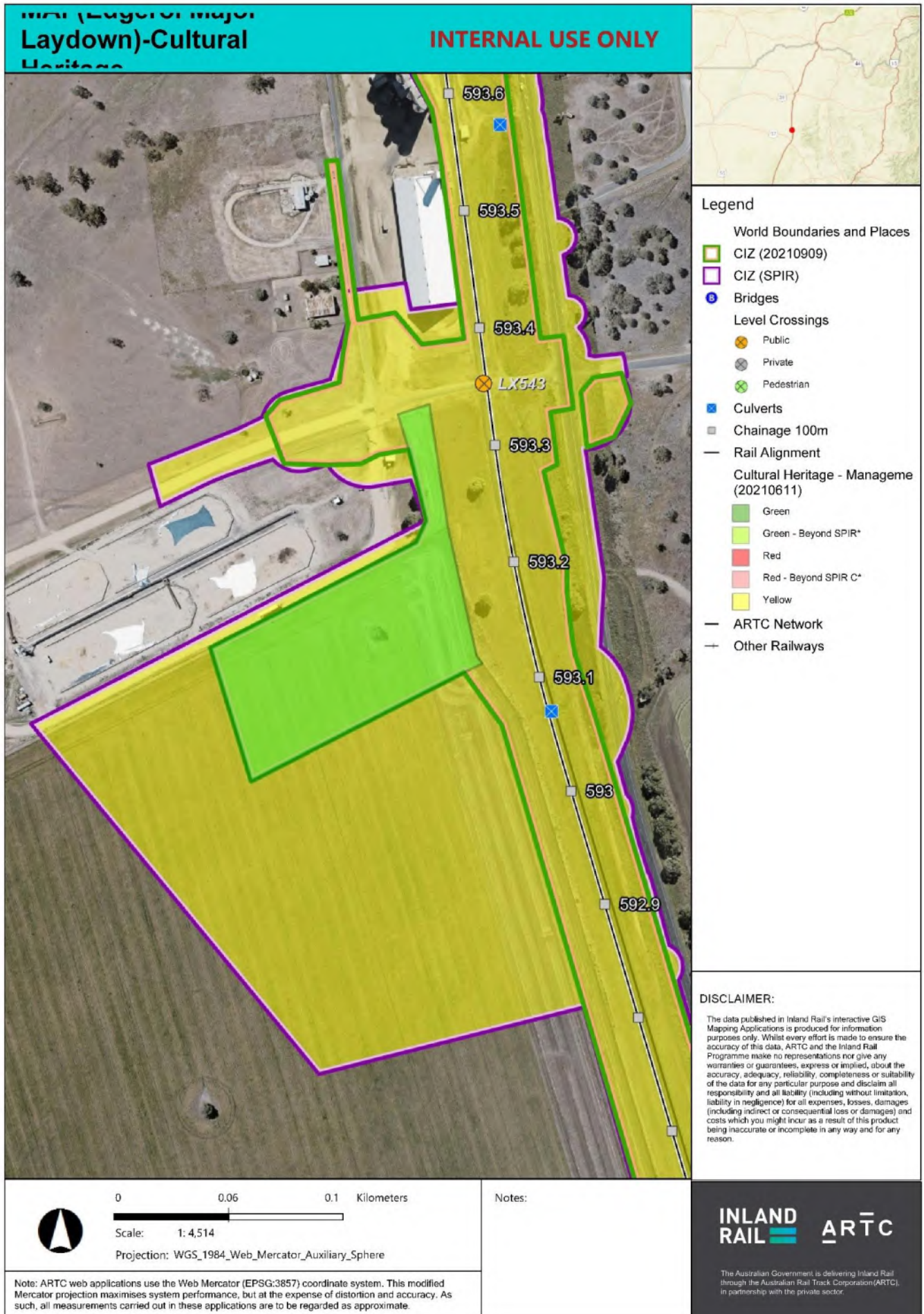
Name: Steve Fermio

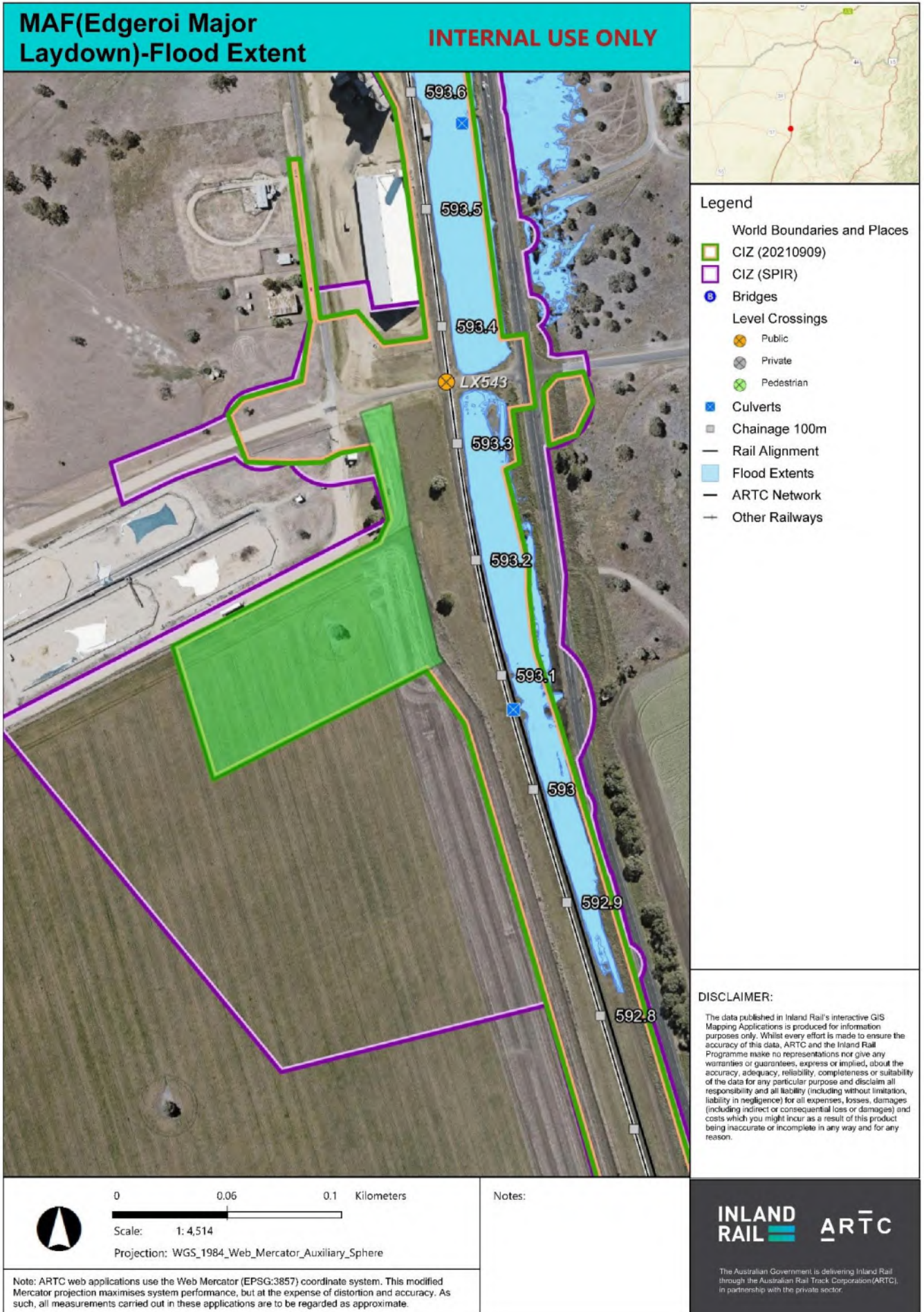
Position: Environmental Representative

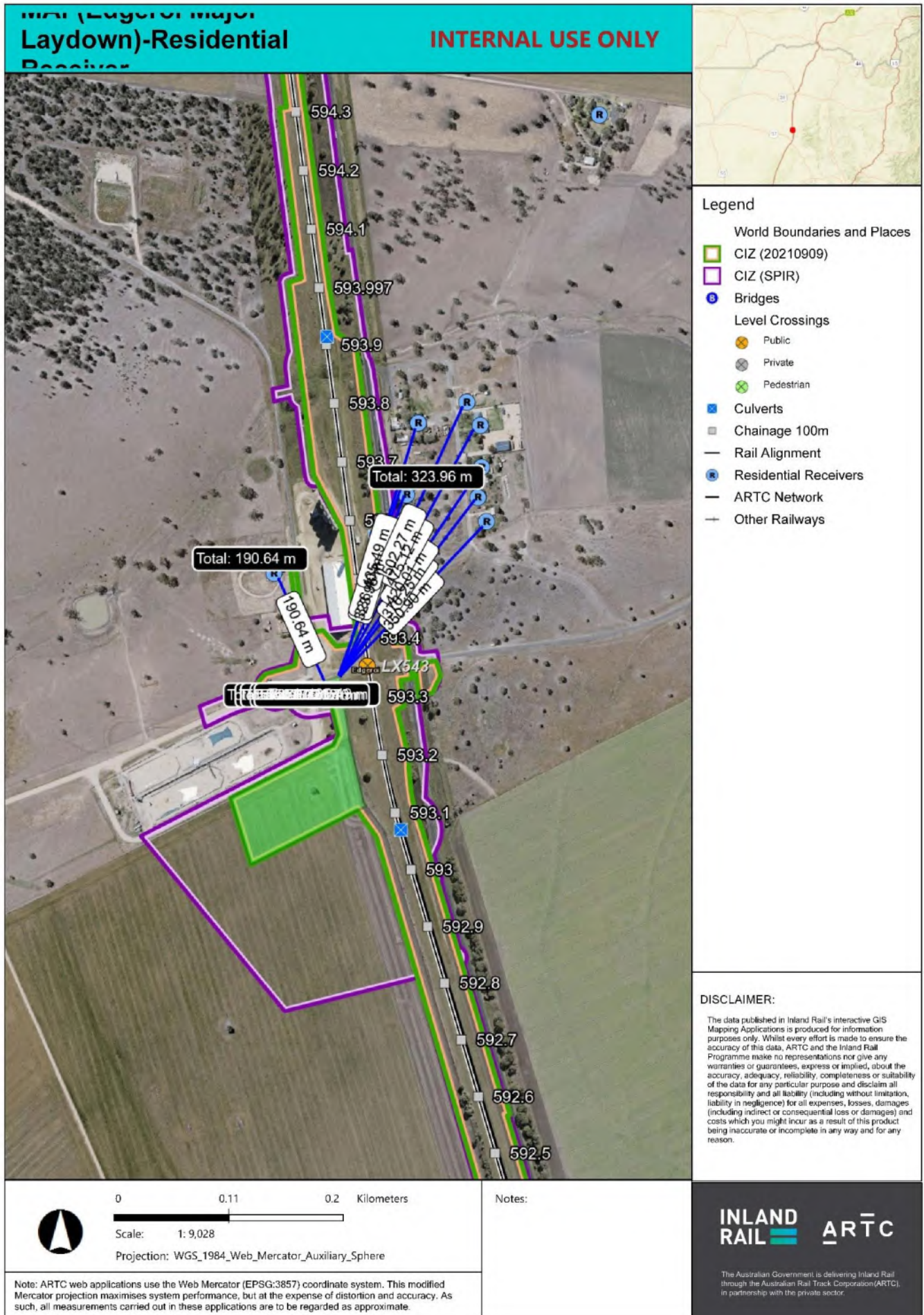
Date: 13 / 4 /2022

Appendix A: Site Location (incl. Environmentally Sensitive Areas)
















Appendix B: Site Location (Co-ordinates)

1	Lat: 30.11763° S Lon: 149.79811° E
2	Lat: 30.11941° S Lon: 149.79622° E
3	Lat: 30.12039° S Lon: 149.79657° E
4	Lat: 30.11956° S Lon: 149.79863° E

Appendix C: Noise Estimator

Appendix D: Vehicle Movement Plan (VMP)

	<p align="center">Vehicle Movement Plan for <u>S1 – CH593.400 – LX543</u> Major Public – Edgeroi Gate</p>						<p>VMP No: 061 Rev Date: 14/03/2022</p>		
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way; stop and traffic direction etc. must be adhered to at all times. Site wide speed limit is 40km/h unless signposted otherwise. Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions. Driver must not use any route to enter or exit site other than that shown on the diagram. Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms. 									
<p>Legend</p>									
	<p align="center">Public Access</p>		<p align="center">Alignment Access</p>		<p align="center">Main Alignment Works Zone</p>			<p>Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:</p>	<p>Plan Date: 11/03/2022 Signature:</p>
	<p align="center">All Traffic IN</p>		<p align="center">All Traffic OUT</p>					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added. Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) are located within the construction boundary; and
- (b) have been assessed by the ER to have –
 - i. low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and
 - ii. Low environmental impact with respect to waste management and flooding, and
 - iii. No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Galathera Lane)
Location:	CH598.6 (Edgeroi, NSW)
Chainage:	CH598.6 – CH598.67
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	Rail Alignment
Footprint / Size:	<2,100m ²
Use:	Minor Ancillary Facility (Galathera Lane) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage and laydown of construction equipment
Site Surroundings:	Minor Ancillary Facility (Galathera Lane) is surrounded by: <ul style="list-style-type: none"> ▪ North: Rail Line, Newell Highway, sparsely vegetated land, and agricultural (cropping) land. ▪ East: Newell Highway, sparsely vegetated land, agricultural (cropping) land, and sensitive (residential) receivers. ▪ South: LX544, rail line, Newell Highway, sparsely vegetated land, and agricultural (cropping) land. ▪ West: Rail line, sensitive (residential) receivers, sparsely vegetated land, and agricultural cropping land.

	<p>Access to Minor Ancillary Facility (Galathera Lane) will be provided via Galathera Lane off Newell highway to CH598.6 south of the MAF.</p> <p>Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E</p>
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Galathera Lane).</p>

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Galathera Lane) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>Four sensitive (residential) receivers were identified within 1km of the proposed MAF (Galathera Lane) site.</p> <p><i>357.28m NNS_Rx0754</i></p> <p><i>398.7m NNS_Rx0757</i></p> <p><i>602.82m NNS_Rx0756</i></p> <p><i>978.84m NNS_Rx0755</i></p> <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (Galathera Lane). One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – site establishment) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p><i>Scenario 1: MAF Site Establishment (i.e. grader, delivery truck and tracked excavator)</i></p> <p>The extracts from the noise model are provided in Appendix C.</p>

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - <i>Sensitive receivers are located at the following locations:</i> <ul style="list-style-type: none"> o <i>CH598.9 (NN3_Rx0754), located 357m East of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 47dB, which is 7dB higher than the daytime NML for the Project. Refer to Appendix C.</i> o <i>CH598.9 (NNS_Rx0757), located 398.7m North-West of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 46dB, which is 6dB higher than the daytime NML for the project.</i> - <i>The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works.</i> <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Galathera Lane).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Galathera Lane) is located approximately 1,180m North-West of an unnamed ephemeral creek, approximately 565m South-East of a private storage dam, and approximately 707m North-East of a private storage dam.</p> <p>The proposed MAF (Galathera Lane) site is outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <1,900m² (~90%) of the proposed MAF (Galathera Lane) site is mapped as</p> <ul style="list-style-type: none"> - <i>Zone 6 - PCT-56 BVT-BR186, NA182-Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW</i> <p>Approximately <200m² (~10%) of the proposed MAF (Galathera Lane) site is mapped as</p> <ul style="list-style-type: none"> - <i>Zone 0 – Cleared/Non-native Vegetation</i> <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	<p>The establishment and operation of MAF (Galathera Lane) will not result in significant impacts to existing gas, electrical, water or communications utilities.</p>
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Galathera Lane) site.</p> <p><i>The Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1), dated 18th</i></p>

Criteria	Compliant (Y) Yes (N) No	Comments
		December 2020 has been reviewed and there are no areas or items that require further salvage or survey.
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	Access to Minor Ancillary Facility (Galathera Lane) will be available South of the MAF (Galathera lane) site at LX554, (CH598.6) via Galathera Lane off Newell Highway. Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E
Relatively flat land	Y	Minor Ancillary Facility (Galathera Lane) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	The establishment and operation of the proposed MAF (Galathera Lane) will generate minor waste volumes. These waste streams will generally consist of the following: <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard ▪ Rubbish and debris ▪ Food waste The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below. Flooding risk has been addressed above.
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Galathera Lane) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	Minor Ancillary Facility (Galathera Lane) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact. Anti-gawking screens will be applied were required by a TfNSW approval.

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Galathera Lane) include:

- Dust and associated impacts to air quality resulting from access and use;
- Mud tracking onto public roads associated with access and use of the MAF; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures


	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan Waste Management The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. The No-Go Zones for the Project, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. Hours of operation. General noise related mitigation measures. 	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail's CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	<p>Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means.</p> <p>Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).</p>	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	<p>In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented.</p> <p>Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may</p>	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	also be notified depending on the nature and scale of the unexpected find.		
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable. Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP. In addition to this, the following measures will be undertaken; -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement.	Environmental Manager / Construction Supervisor	Construction
14)	The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents. The frequency of use will be modified depending on the prevailing wind and weather conditions. <i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to	All personnel	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.		
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers. Anti-gawking screens will be applied where required by a TfNSW Approval.	Environment Manager / Construction Supervisor	Construction

3. Certification


This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Maggie Wilton

Position: Trans4m Rail Environment and Sustainability Admin Assistant

Date: 04/03/2022

Signed: 

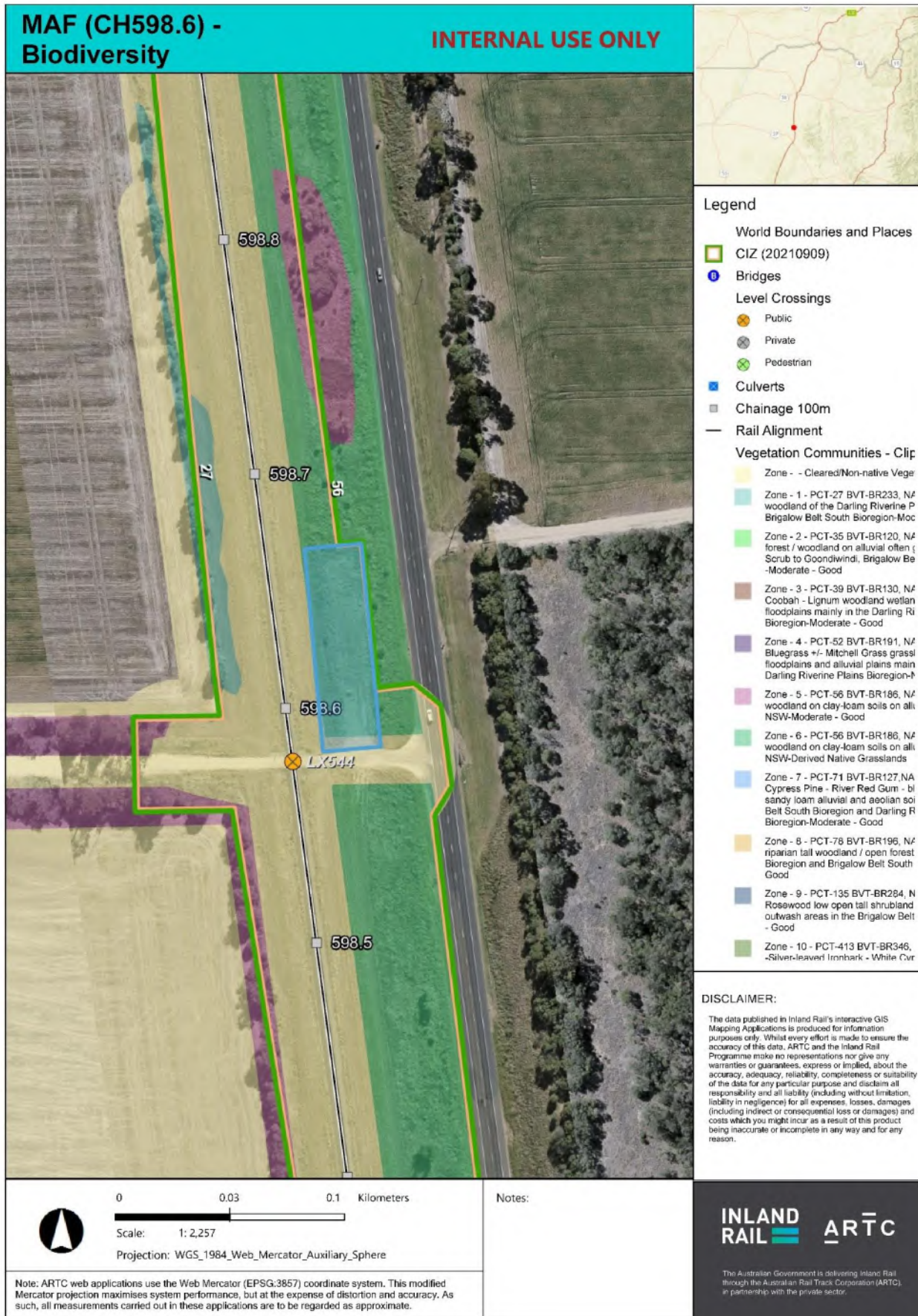
Name: Steve Fermio

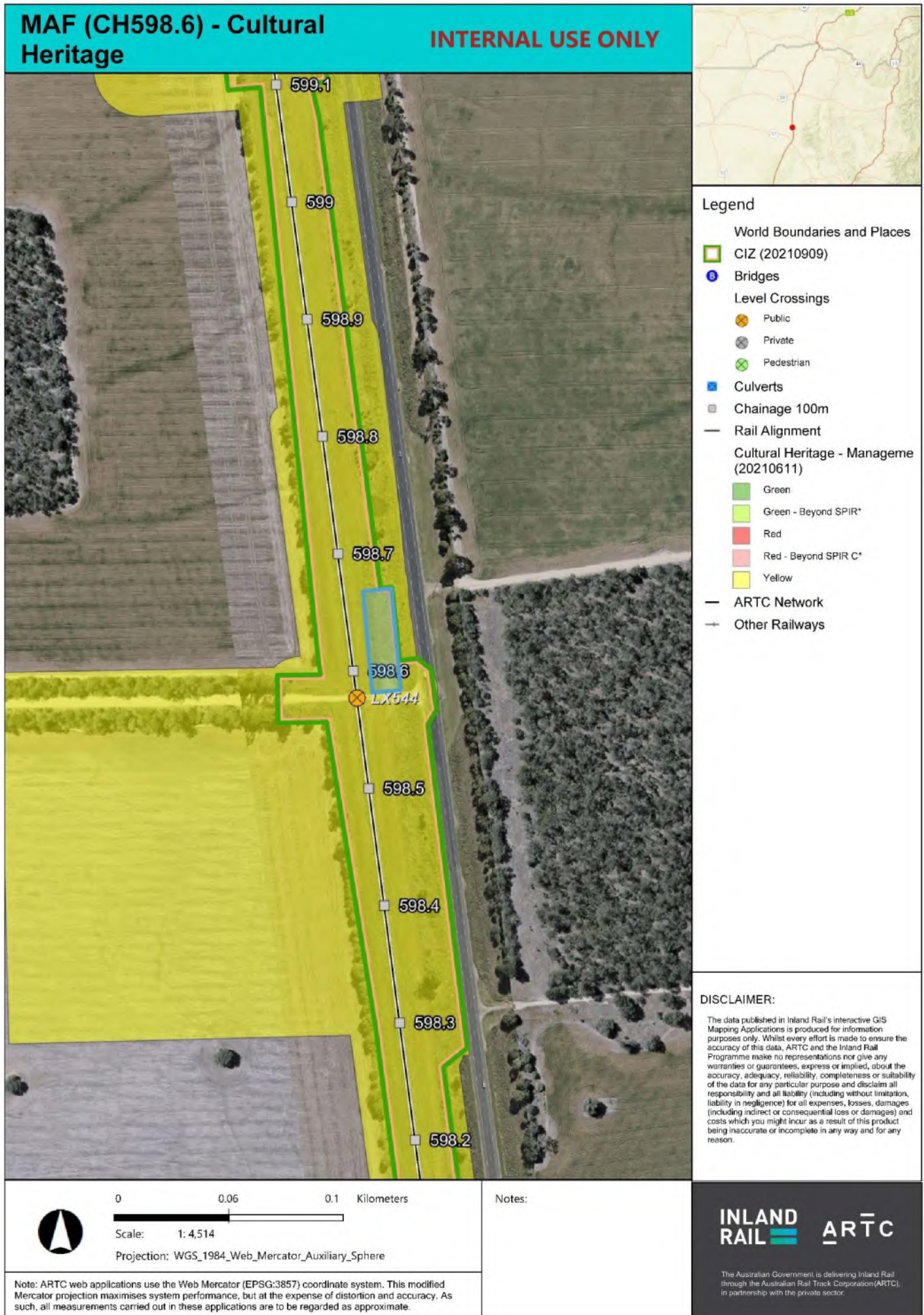
Position: Environmental Representative

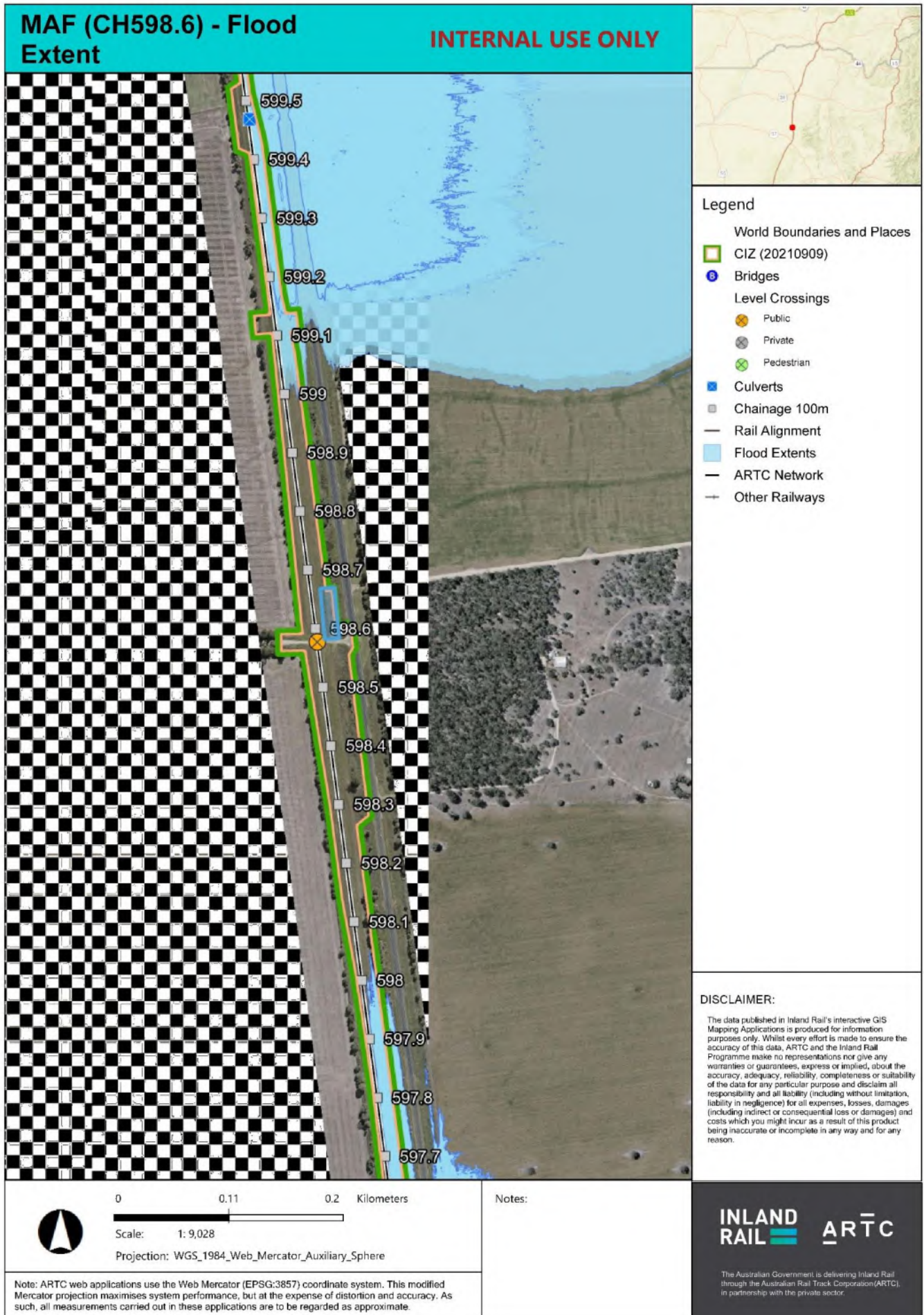
Date: 7/4/2022

Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

Appendix A: Site Location (incl. Environmentally Sensitive Areas)








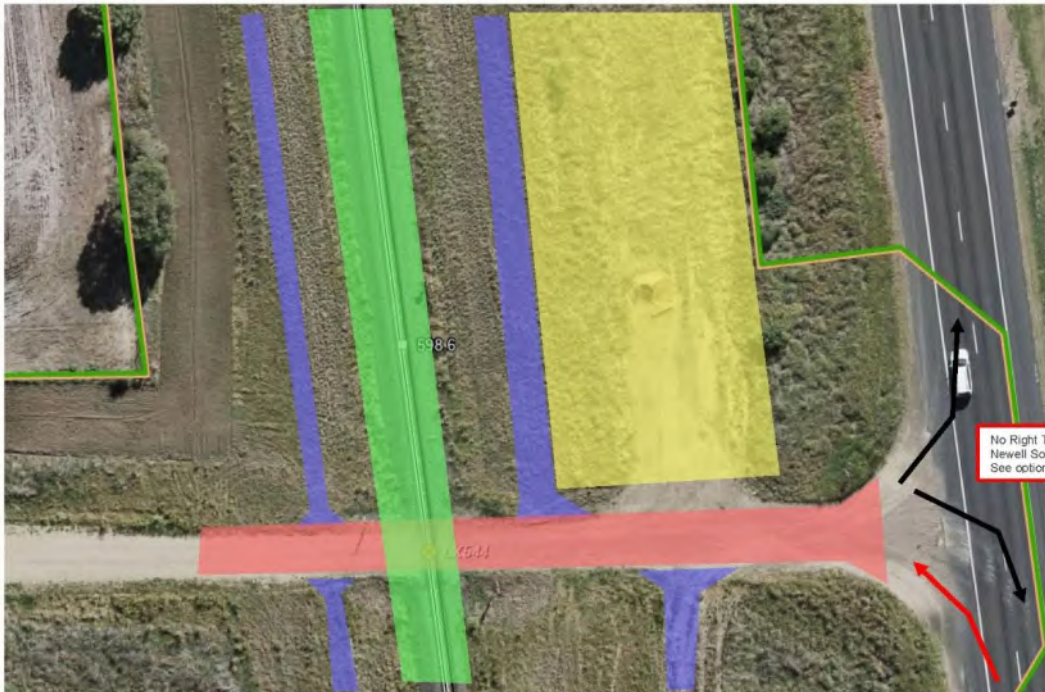





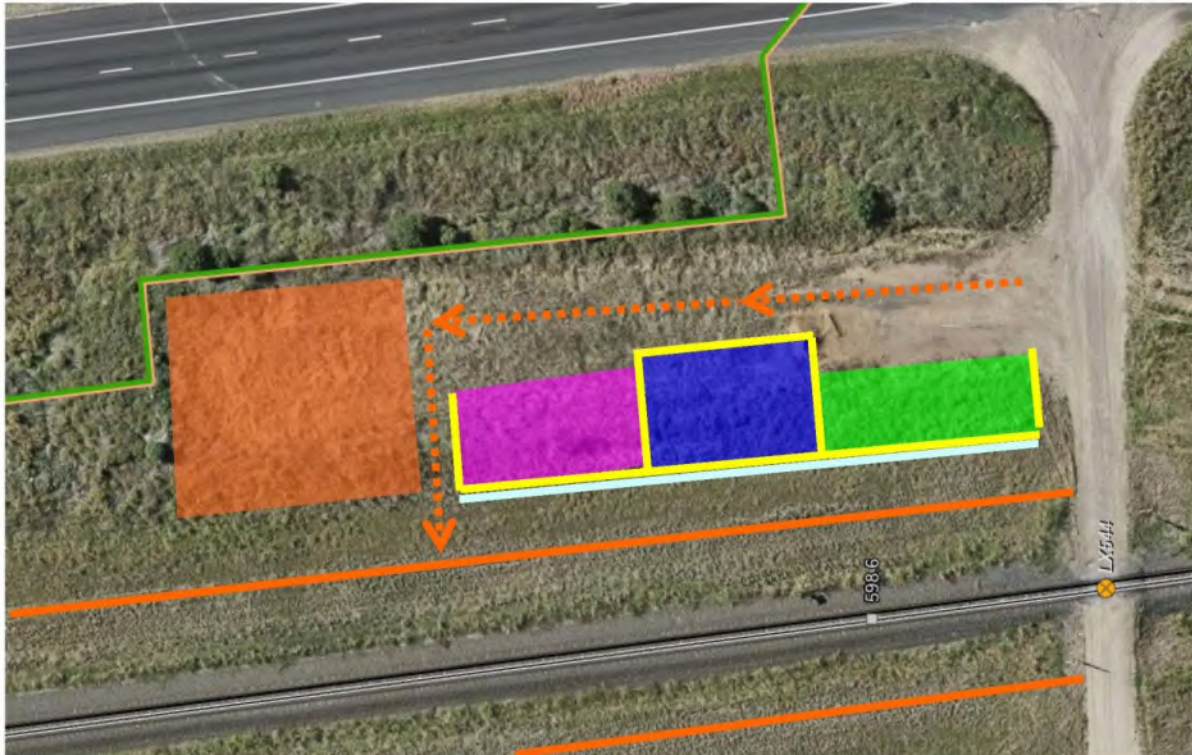


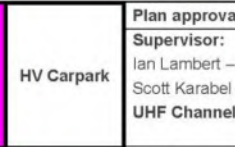






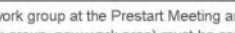
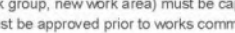
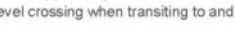



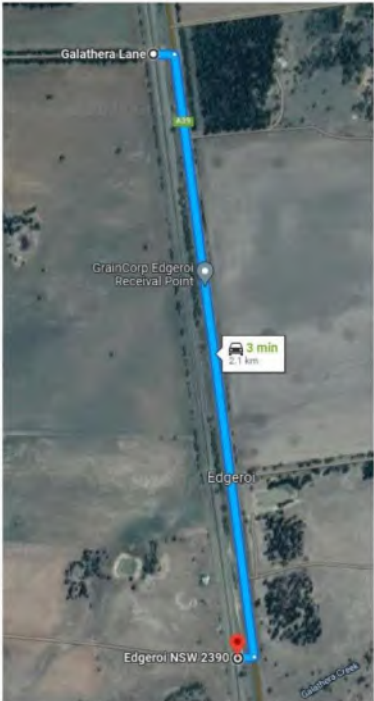
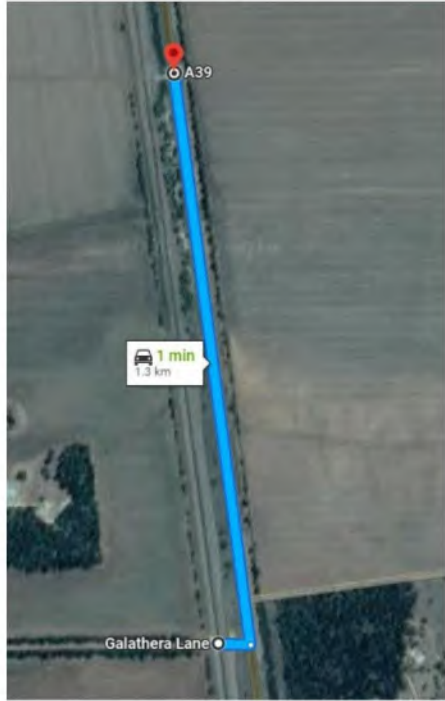
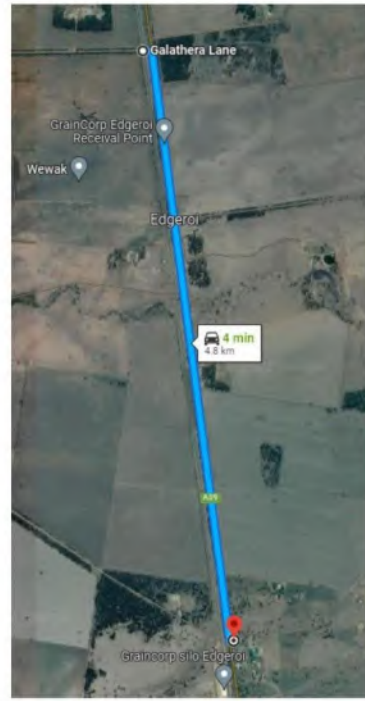















Appendix B: Site Location (Co-ordinates)

1	Lat: 30.06997° S Lon: 149.79163° E
2	Lat: 30.06995 S Lon: 149.79188° E
3	Lat: 30.07072° S Lon: 149.79197° E
4	Lat: 30.07074° S Lon: 149.79171° E

Appendix D: Vehicle Movement Plan

		Vehicle Movement Plan for <u>S1 – CH598.500 – LX544</u> Minor Public – Gate 8		VMP No: 064 Rev Date: 14/03/2022	
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053					
Legend		Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:			
	Public Access All Traffic IN		Alignment Access All Traffic OUT	Main Alignment Works Zone	General Laydown (See below)
<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 					

	Vehicle Movement Plan for <u>S1 – CH598.500 – LX544</u> Minor Public – Gate 8		VMP No: 064 Rev Date: 14/03/2022					
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts:</p> <p>Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team:</p> <p>Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider:</p> <p>Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way; stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 								
Legend								
	Materials Laydown		Crib Facilities		LV Carpark		Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	Lime Storage		Ballast	  	Delineation Pedestrian Access	  	Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site.

		Vehicle Movement Plan for <u>S1 – CH598.500 – LX544</u> Minor Public – Gate 8				VMP No: 064 Rev Date: 14/03/2022																					
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053		Southbound Traffic – Site Entry Options: Enter at Gate 7 – south, after LX544 – Right Turn OK 		Enter at Gate 9 – north, before LX544 – Right Turn OK 		U-Turn at Edgeroi 																					
Legend <table border="1"> <tr> <td></td> <td>Public Access</td> <td></td> <td>Alignment Access</td> <td></td> <td>Main Alignment Works Zone</td> <td></td> <td></td> <td> Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel: </td> <td> Plan Date: 12/03/2022 Signature: </td> </tr> <tr> <td></td> <td>All Traffic IN</td> <td></td> <td>All Traffic OUT</td> <td></td> <td></td> <td></td> <td></td> <td> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> <td></td> </tr> </table>									Public Access		Alignment Access		Main Alignment Works Zone			Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 12/03/2022 Signature:		All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
	Public Access		Alignment Access		Main Alignment Works Zone			Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 12/03/2022 Signature:																		
	All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 																			

Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity: In Land Rail, Narrabri to North Star, Newell Highway Section from Narrabri to Gurley.
 Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greatersydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN CONTACT: road.access@transport.nsw.gov.au
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 2000
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/002**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/002**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/003****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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 Movements <20

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LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 500
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) *are located within the construction boundary; and*
- (b) *have been assessed by the ER to have –*
 - i. *low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and*
 - ii. *Low environmental impact with respect to waste management and flooding, and*
 - iii. *No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.*

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Penneys Rd Ballast)
Location:	CH625.5 (Gurley, NSW)
Chainage:	CH625.2 – CH625.5
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	RU1 – Primary Production (Moree Plains Shire Council LEP)
Footprint / Size:	< 8,000m ²
Use:	<p>Minor Ancillary Facility (Penneys Rd Ballast) will be utilised for the following purposes:</p> <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage & laydown ▪ Ballast Stockpile
Site Surroundings:	<p>Minor Ancillary Facility (Penneys Rd Ballast) is surrounded by:</p> <ul style="list-style-type: none"> ▪ North: LX552, rail line, heavily vegetated land, and the Newell Highway. ▪ East: Heavily vegetated land, grain receival site, agricultural (cropping) land, and sensitive (residential) receivers. ▪ South: Rail Line, heavily vegetated land, and Newell Highway. ▪ West: Rail line, Newell Highway, and heavily vegetated land. <p>Access to Minor Ancillary Facility (Penneys Rd Ballast) will be provided via access gate 6, at LX552, CH625.5, off the Newell Highway.</p>

	Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. ▪ Unless specified in a TfNSW approval, anti-gawking screens will not be applied adjacent this MAF location. The need for anti-gawking screens has been risk assessed by a suitably qualified and experienced Traffic Engineer. ▪ NOTE: No bulk earthworks are required for the establishment of MAF (Penneys Rd Ballast).

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Penneys Rd Ballast) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>No sensitive (residential) receivers were identified within 1km of the proposed MAF (Penneys Rd Ballast) site.</p> <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Penneys Rd Ballast).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Penneys Rd Ballast) is not located within 50 m of any waterways or drainage lines.</p> <p>The proposed MAF (Penneys Rd Ballast) site is not within the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <7,170m² (~90%) of the proposed MAF (Penneys Rd Ballast) site is mapped as:</p> <ul style="list-style-type: none"> - <i>Zone-6- PCT-56 BVT186, NA 182-Poplar Box-Belah woodland on clay-loam soils on alluvial plains north-central NSW-Derived Native Grasslands.</i> <p>Approximately <730 m² (~9%) of the proposed MAF (Penneys Rd Ballast) site is mapped as:</p>

Criteria	Compliant (Y) Yes (N) No	Comments
		<ul style="list-style-type: none"> - <i>Zone-5- PCT-56 BVT186, NA 182-Poplar Box-Belah woodland on clay-loam soils on alluvial plains north-central NSW.</i> <p>And approximately <130 m² (~1%) of the proposed MAF (Penneys Rd Ballast) site is mapped as:</p> <ul style="list-style-type: none"> - <i>Cleared/Non-native vegetation</i> <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Penneys Rd Ballast) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Penneys Rd Ballast) site.</p> <p><i>The Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1), dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</i></p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Access to Minor Ancillary Facility (Penneys Rd Ballast) will be available North of the MAF (Penneys Rd Ballast) site via access gate 6, at LX552, CH625.5.</p> <p>Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.</p>
Relatively flat land	Y	Minor Ancillary Facility (Penneys Rd Ballast) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Penneys Rd Ballast) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard ▪ Rubbish and debris ▪ Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Penneys Rd Ballast) are considered minor and consistent with those impacts approved under SSI 7474.

Criteria	Compliant (Y) Yes (N) No	Comments
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	Minor Ancillary Facility (Penneys Rd Ballast) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact. Anti-gawking screens will be applied where required by a TfNSW Approval.

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Penneys Rd Ballast) include:

- Disturbance of predicted Five-Clawed Worm-Skink habitat at chainages 603.000 to CH 625.000
- Dust and associated impacts to air quality resulting from access and use; and
- Mud/Spoil tracked onto local roads or Newell HWY.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management: <ul style="list-style-type: none"> • Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) • The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan • Waste Management • The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. • The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. • Hours of operation. • General noise related mitigation measures. • Five Clawed Worm Skinks, including habitat location and all mitigation measures specified by DPIE & ARTC. 	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction


	Measure/Requirement	Responsibility	Timing/ frequency
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable. Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP. In addition to this, the following measures will be undertaken;	Environmental Manager / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<ul style="list-style-type: none"> -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. - Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 		
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents. The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers.	Environment Manager / Construction Supervisor	Construction
20)	<p>All personnel would be inducted on the subject of Five-clawed Worm-skinks (FCWS). Targeted FCWS surveys would be undertaken by Project Ecologist and/or Fauna Spotter-Cather team prior to and during slashing, clearing of woody vegetation and topsoil stripping activities within the following chainages, stage 1 chainage 603.000 to 625.000.</p> <p>The surveys would include active searches of microhabitats, including, carefully turning woody debris, rocks and artificial debris, raking the soil surface or leaf litter beneath trees and looking beneath peeling bark for reptiles or their sloughs, searching for animals during topsoil stripping (working closely with the grader operator).</p> <p>Targeted pre-clearing surveys would comprise a minimum of 0.5 person hours per hectare for habitats of average complexity per</p>	Environmental Manager/ Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<p>targeted species (scaled up or down depending on site complexity).</p> <p>Any FCWS captured would have the following data collected: GPS coordinates of capture/relocation site, measurements of snout-vent length, tail length and total length. Relocation site are to be as close to capture site as possible with suitable microhabitat. No more than 10 adults and 5 sub-adults or hatchlings per 100m² of suitable habitat may be relocated due to risk of overstocking.</p> <p>NOTE: Additional measures will be taken to avoid relocated individuals from re-entering the construction site i.e. sediment fence, etc.</p>		

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Maggie Wilton

Position: Trans4m Rail Enviro & Sustainability Trainee

Date: 05/04/2022

Signed: 

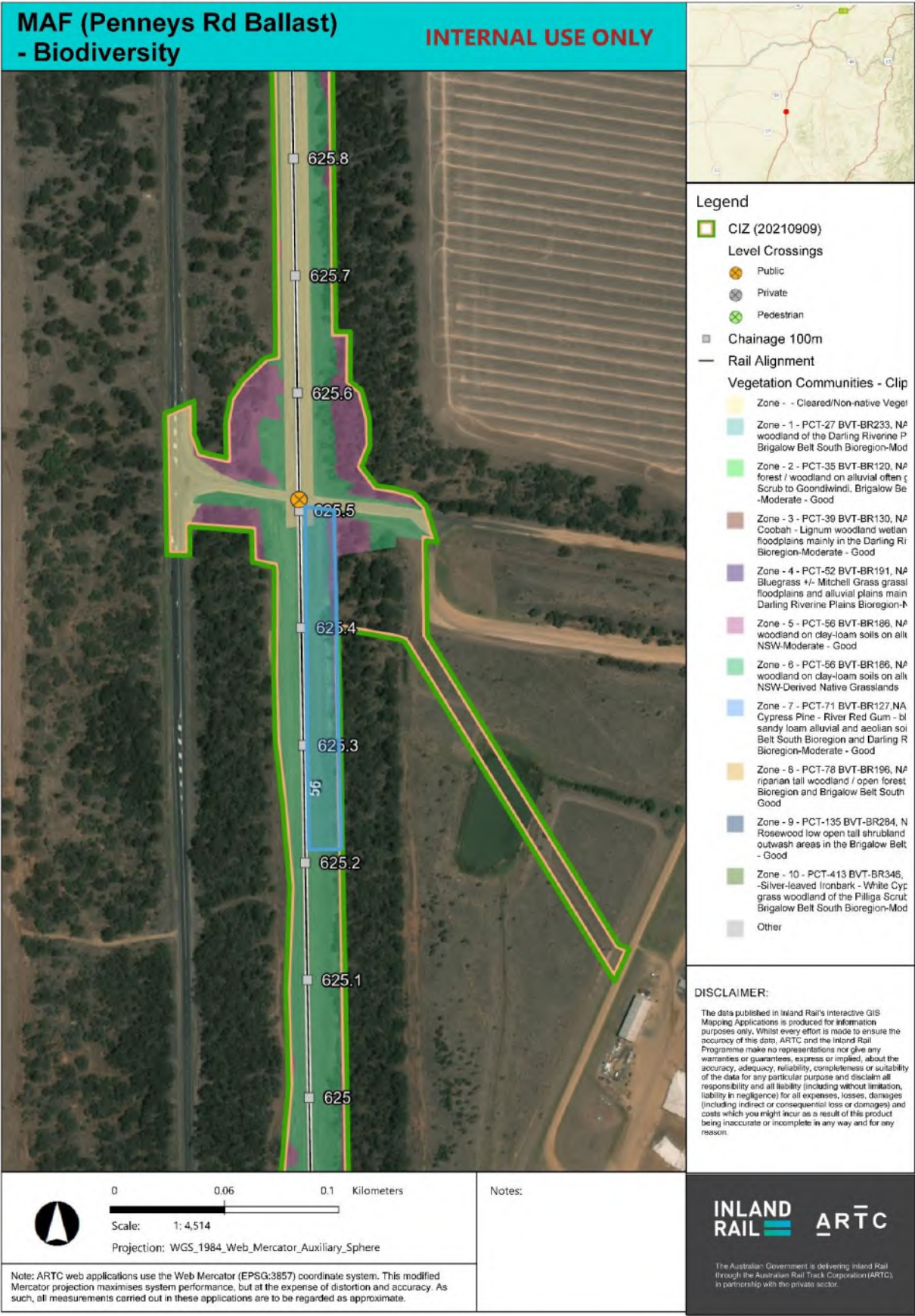
Name: Steve Fermio

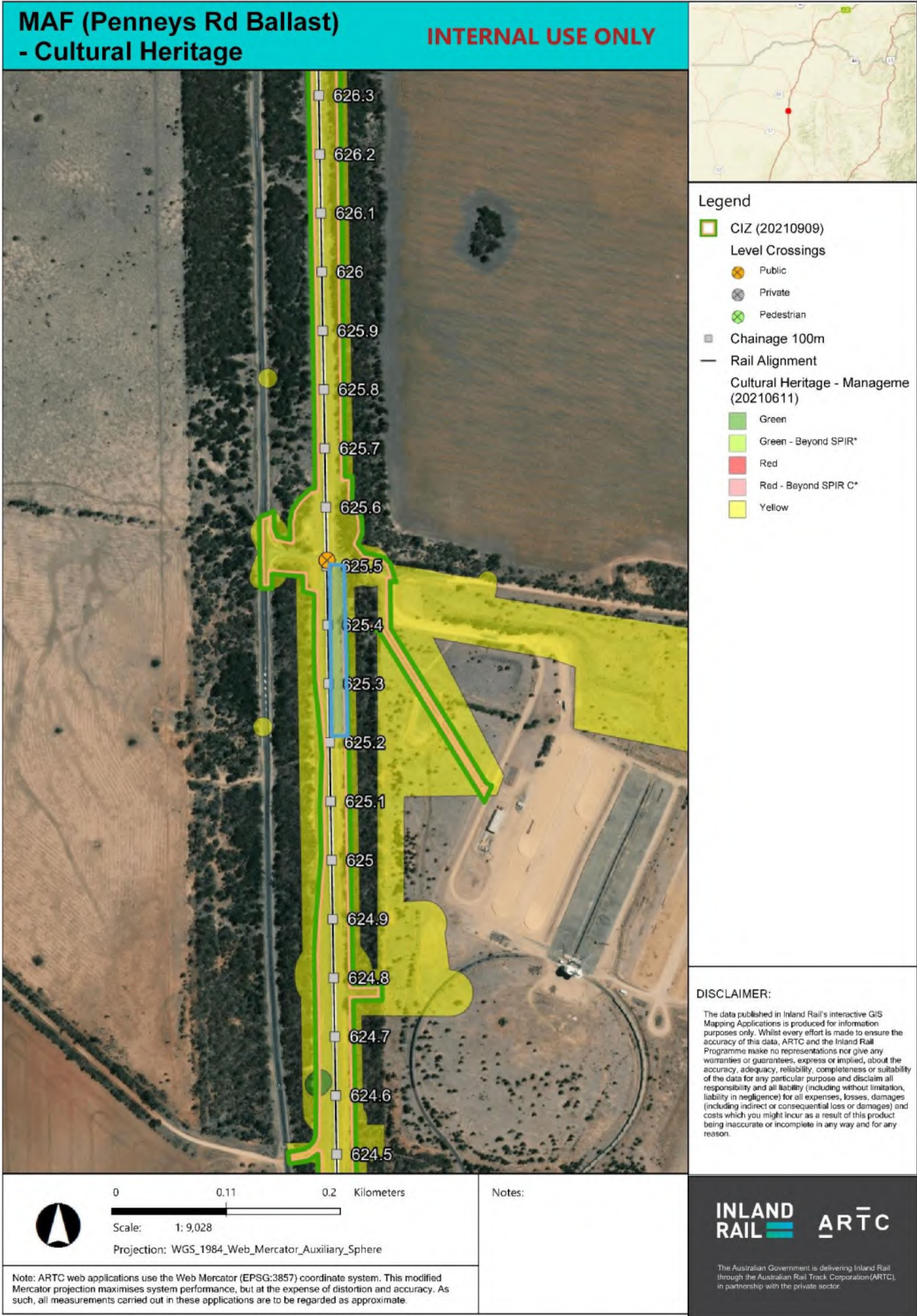
Position: Environmental Representative

Date: 7/4/2022

Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

Appendix A: Site Location (incl. Environmentally Sensitive Areas)







MAF (Penneys Rd Ballast) - Sensitive Receivers

INTERNAL USE ONLY



0 0.23 0.5 Km
Scale: 1: 18,056
Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere

Notes:

DISCLAIMER:

The data published in Inland Rail's interactive GIS Mapping Applications is produced for information purposes only. Whilst every effort is made to ensure the accuracy of this data, ARTC and the Inland Rail Programme make no representations nor give any warranties or guarantees, express or implied, about the accuracy, adequacy, reliability, completeness or suitability of the data for any particular purpose. The data is provided 'as is' and 'as available' without any liability for any errors, omissions, inaccuracies, or damages (including indirect or consequential loss or damage) and costs which you might incur as a result of this product being inaccurate or incomplete in any way and for any reason.

ARTC web applications use the Web Mercator (EPSG:3857) coordinate system. This modified Mercator projection maintains system shape but distorts distance and accuracy. As such, all measurements carried out in these applications are to be regarded as approximate.

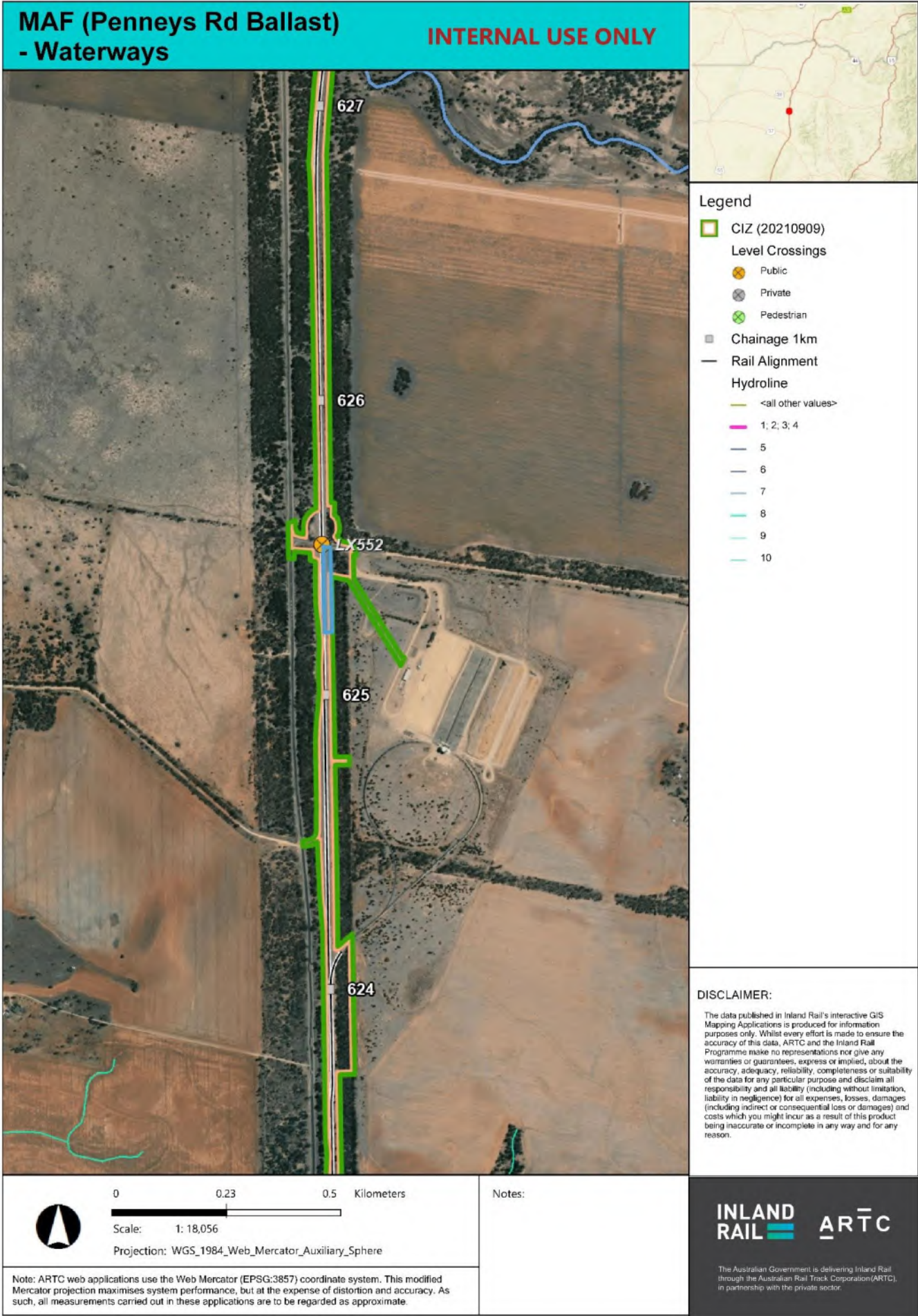


Legend

- CI2 (20210909)
- Level Crossings
 - Public
 - Private
- Pedestrian
- Chainage 1km
- Rail Alignment
- Residential Receivers
- Sensitive Receivers
 - Active recreation
 - Aged care
 - Education
 - Health
 - Passive recreation
 - Religious

INLAND RAIL ARTC


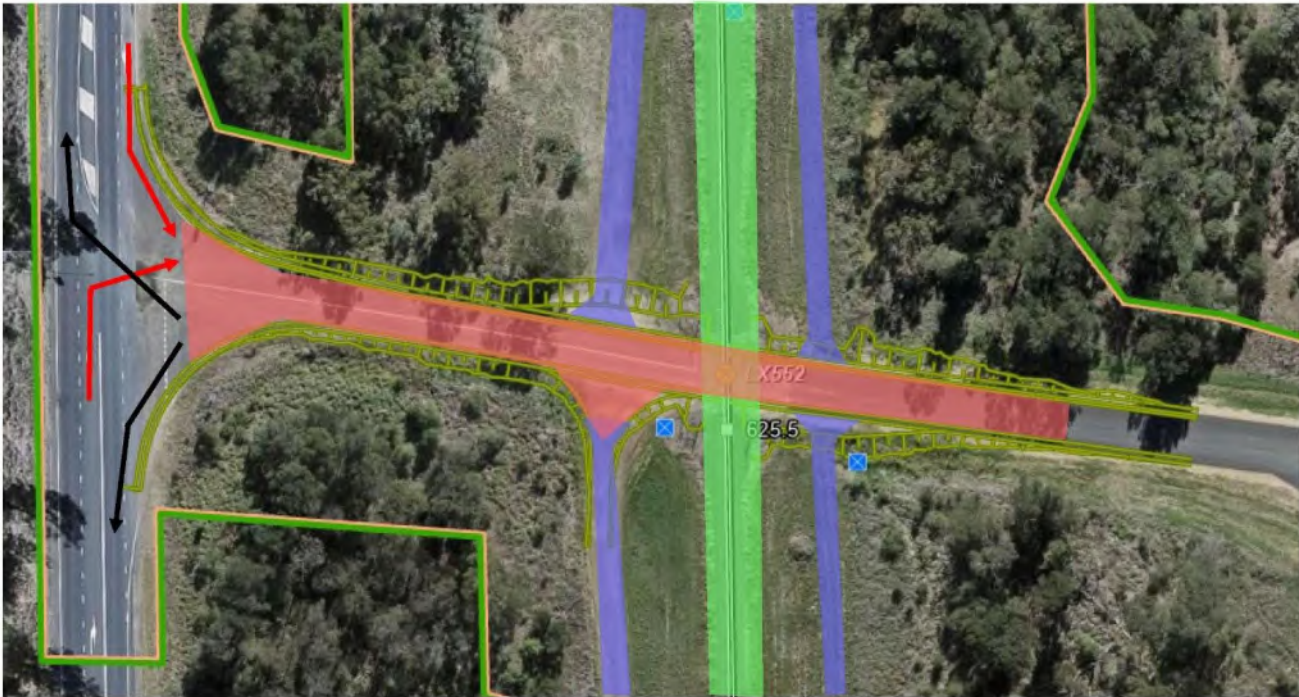





The Australian Government is delivering Inland Rail in partnership with the private sector.



Appendix B: Site Location (Co-ordinates)

1	Lat: 29.82836° S Lon: 149.78876° E
2	Lat: 29.82839° S Lon: 149.78902° E
3	Lat: 29.83100° S Lon: 149.78909° E
4	Lat: 29.83101° S Lon: 149.78880° E

Appendix D: Vehicle Movement Plan (VMP)

		Vehicle Movement Plan for <u>S1 – CH625.500 – LX552</u> Major Public – Gate 16			VMP No: 076 Rev Date: 14/03/2022	
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053						
Legend		Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:				
	Public Access		Alignment Access		Main Alignment Works Zone	Plan Date: 11/03/2022 Signature:
	All Traffic IN		All Traffic OUT	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 		

Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 1 YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- 2 THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- 3 ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- 4 SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greatersydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN. CONTACT: road.access@transport.nsw.gov.au.
- 5 NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- 6 ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- 7 EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- 8 THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- 9 ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**
Transport
Roads & Maritime
Services

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway
 Section from Narrabri to Gurley.
Reduced To : 80 Km/h
 Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION
Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:
TRAFFIC MANAGEMENT
Distance(m): 2000
Direction: All Directions
LICENSEE
Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563
ONSITE CONTACT
Name: Luke McGoldrick
Phone: 0413777563
APPROVED DATES & TIMES

	From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

SPEED ZONE AUTHORISATION**LIC/SA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**
Transport
Roads & Maritime
Services

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.
Reduced To : 60 Km/h

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION
Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:
TRAFFIC MANAGEMENT
Distance(m): 2000
Direction: All Directions
LICENSEE
Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563
ONSITE CONTACT
Name: Luke McGoldrick
Phone: 0413777563
APPROVED DATES & TIMES

	From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SAZ NO : 556329/003
ROADS & MARITIME SERVICES (RMS)
Phone: Monday To Friday 8.30 AM - 4.30 PM

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION
SPEED LIMIT REDUCTION

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 500
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

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Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) are located within the construction boundary; and
- (b) have been assessed by the ER to have –
 - i. low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and
 - ii. Low environmental impact with respect to waste management and flooding, and
 - iii. No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Tapscott Rd Ballast)
Location:	CH658 (Moree, NSW)
Chainage:	CH657.96 – CH658.1
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	Crown land, within rail alignment.
Footprint / Size:	< 8,700m ²
Use:	<p>Minor Ancillary Facility (Tapscott Rd Ballast) will be utilised for the following purposes:</p> <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage ▪ Top and bottom ballast stockpiles (20t at any one time).
Site Surroundings:	<p>Minor Ancillary Facility (Tapscott Rd Ballast) is surrounded by:</p> <ul style="list-style-type: none"> ▪ North: LX558, Tapscott Road, rail alignment, sparsely vegetated land and the Newell Highway. ▪ East: Sparsely vegetated land and Evergreen Road. ▪ South: Rail alignment and sparsely vegetated land. ▪ West: Sparsely vegetated land and Newell Highway. <p>Access to Minor Ancillary Facility (Tapscott Rd Ballast) will be provided north of the MAF via Tapscott Road off the Newell Highway at LX558.</p>

Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Tapscott Rd Ballast).</p>
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*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Tapscott Rd Ballast) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>Two sensitive (residential) receivers were identified within 1km of the proposed MAF (Tapscott Rd Ballast) site.</p> <p>NNS_Rx0885 is 332.37m north-east</p> <p>NNS_Rx0886 is 900m west</p> <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (Tapscott Rd Ballast). One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – MAF Operation) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p>Scenario 1: MAF Site operation (i.e. Truck >20tonne, front end loader).</p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - Sensitive receivers are located at the following locations: <ul style="list-style-type: none"> o NNS_Rx0885, located 332m north-east of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 46dB which is 6 dB higher than the daytime NML for the Project. Refer to Appendix C. o NNS_Rx0886, located 900m west of the proposed MAF. This sensitive receiver is expected to experience noise impacts of

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>32dB which is below the daytime NML for the Project. Refer to Appendix C.</p> <p>○</p> <ul style="list-style-type: none"> - The Noise Assessment identified that sensitive receivers, with line of sight, greater than 520m away will generally not be impacted (>NML (Daytime)) by bulk earthworks. - The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works. <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Tapscott Rd Ballast).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Tapscott Rd Ballast) is not located within 50 m of any waterways or drainage lines.</p> <p>The proposed MAF (Tapscott Rd Ballast) site lies outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <3,000m² (~100%) of the proposed MAF (Tapscott Rd Ballast) site is mapped as:</p> <ul style="list-style-type: none"> - <i>Zone - 4 - PCT-52 BVT-BR191, NA187-Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion-Native Grassland</i> <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Tapscott Rd Ballast) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Tapscott Rd Ballast) site.</p> <p>The <i>Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	Access to Minor Ancillary Facility (Tapscott Rd Ballast) will be provided north of the MAF via Tapscott Road off the Newell Highway at LX558.
Relatively flat land	Y	Minor Ancillary Facility (Tapscott Rd Ballast) is located on relatively flat land with <1m fall across the site.

Criteria	Compliant (Y) Yes (N) No	Comments
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Tapscott Rd Ballast) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> Wastewater Wastepaper / cardboard Rubbish and debris Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Tapscott Rd Ballast) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	<p>Minor Ancillary Facility (Tapscott Rd Ballast) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.</p> <p>Anti-gawking screens will be applied where required by a TfNSW Approval.</p>

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Tapscott Rd Ballast) include:

- Dust and associated impacts to air quality resulting from access and use; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) 	Environmental Manager	Pre-construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<ul style="list-style-type: none"> The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan Waste Management The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. Hours of operation. General noise related mitigation measures. 		
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	<p>Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. - Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 	Environmental Manager / Construction Supervisor	Construction
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers.	Environment Manager /	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	Anti-gawking screens will be applied where required by a TfNSW Approval.	Construction Supervisor	
20)	Within the proposed MAF (Tapscott Rd Ballast) site a total area of ~100% was identified as Zone 4- PCT 52 Queensland bluegrass/Mitchell grass NOTE: As these are within the SPIR CIZ these have been accounted for in the Project's Approval and if removal is required will be offset under the projects Biodiversity Offset Strategy.	Environmental Works team	Construction

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed:

Name: Maggie Wilton

Position: Trans4m Rail Enviro & Sustainability Admin Assistant

Date: 11/04/2022



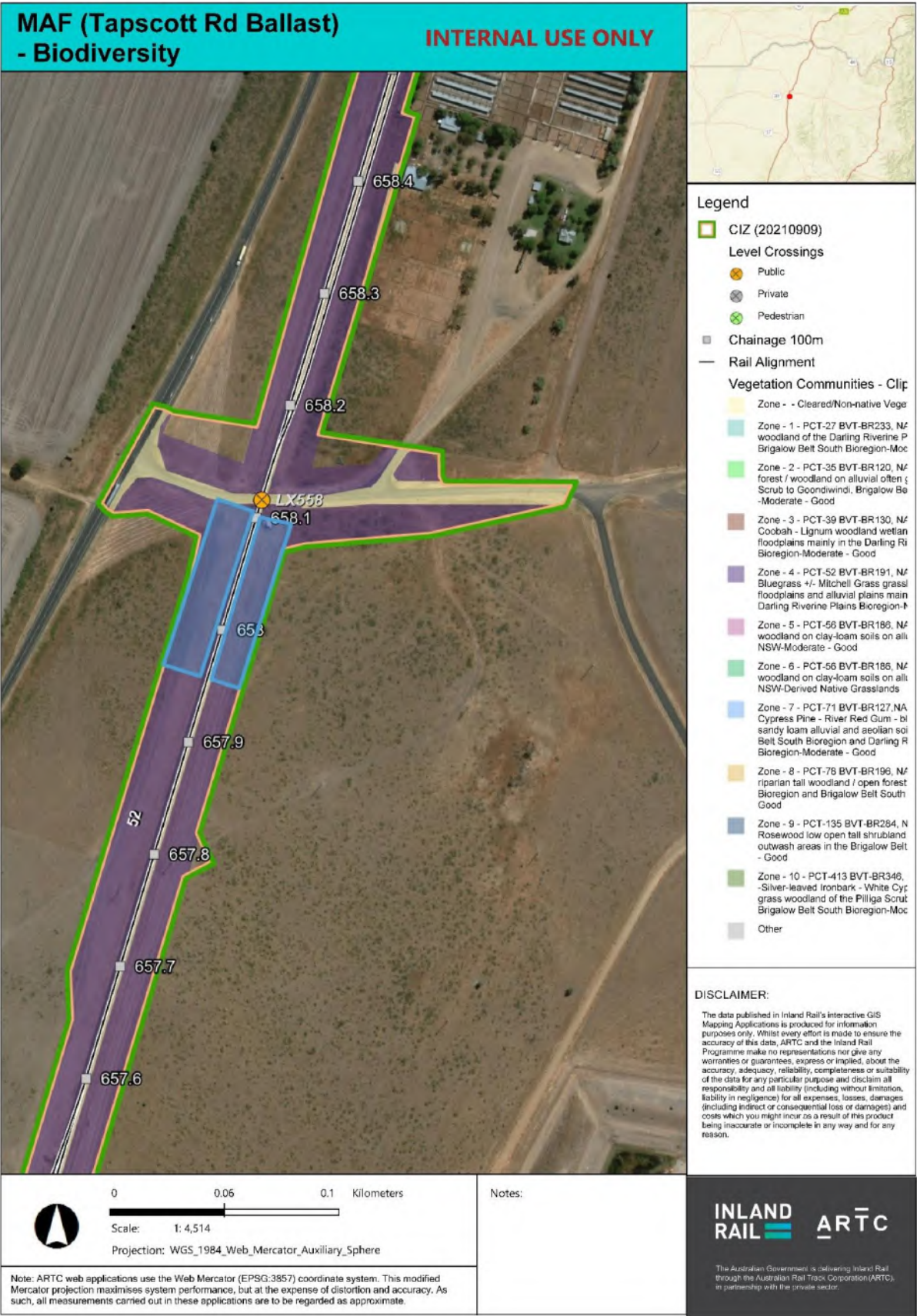
Signed:

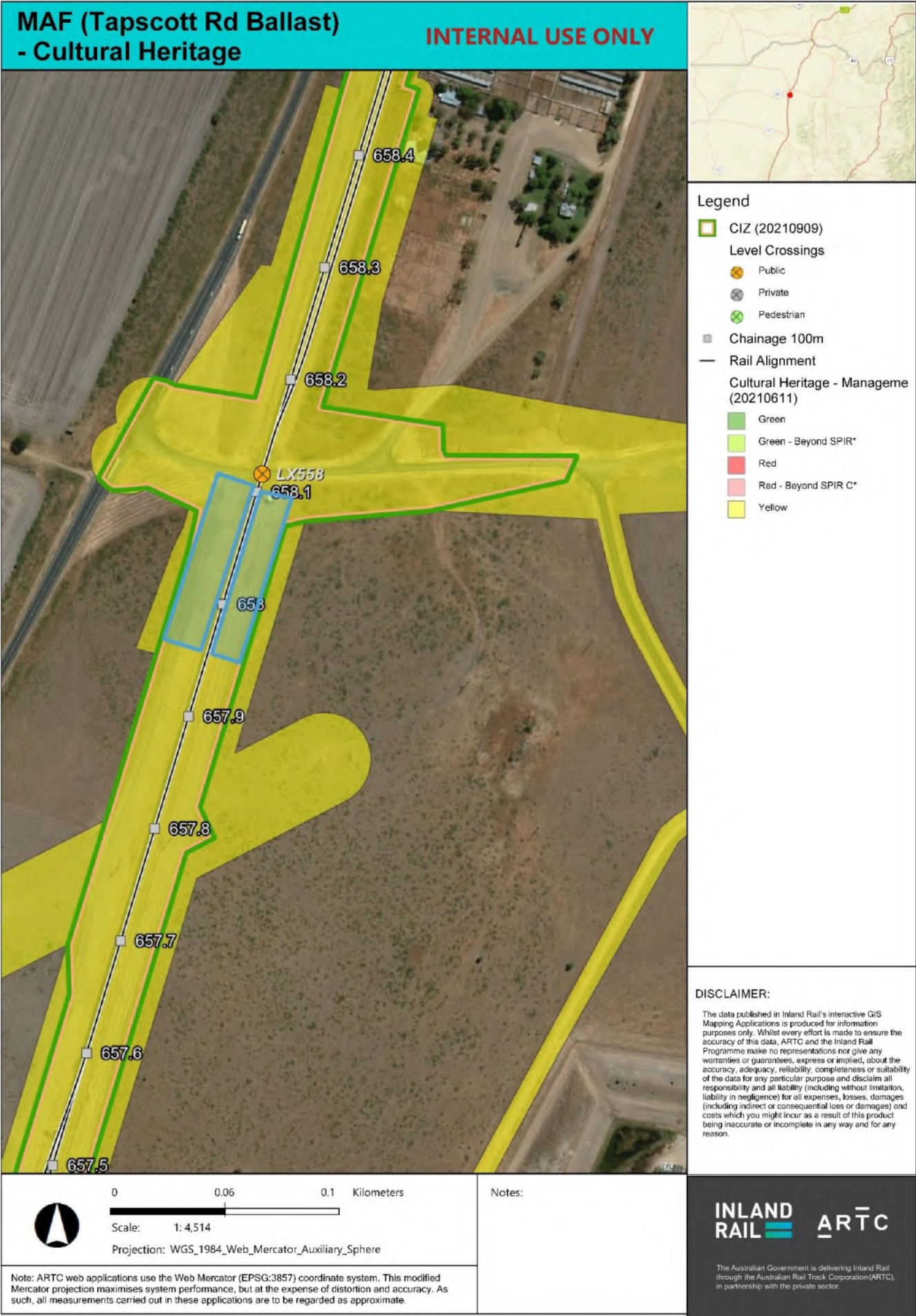
Name: Steve Fermio

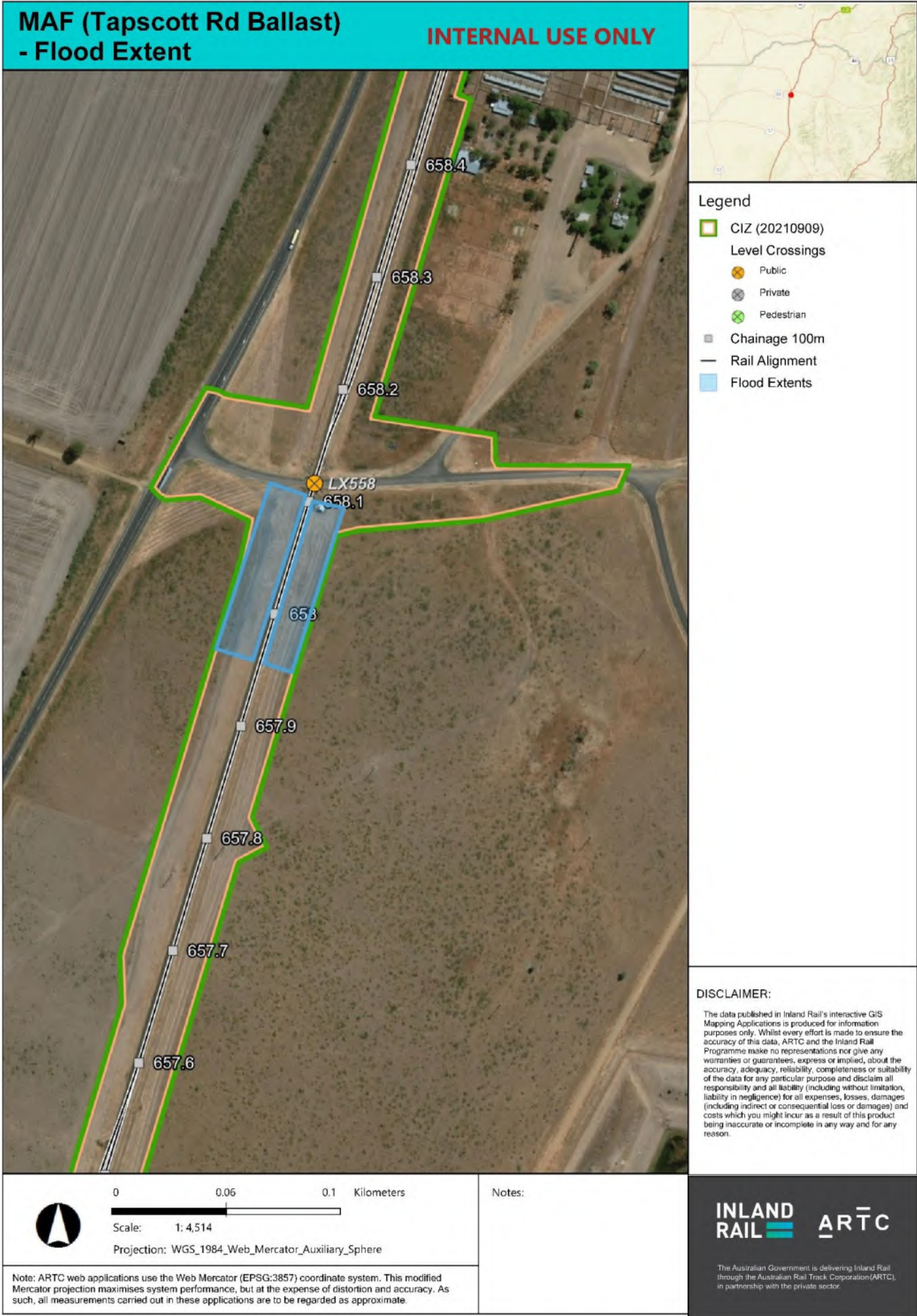
Position: Environmental Representative

Date: 26/4/22

Appendix A: Site Location (incl. Environmentally Sensitive Areas)











Appendix B: Site Location (Co-ordinates)

Eastern Polygon

1	Lat: 29.54040° S Lon: 149.84456° E
2	Lat: 29.54047° S Lon: 149.84482° E
3	Lat: 29.54157° S Lon: 149.84441° E
4	Lat: 29.54149° S Lon: 149.84420° E

Western Polygon

1	Lat: 29.54018° S Lon: 149.84421° E
2	Lat: 29.54027° S Lon: 149.84452° E
3	Lat: 29.54145° S Lon: 149.84373° E
4	Lat: 29.54154° S Lon: 149.84405° E

Age Group	Number of People
0-10	100
11-20	200
21-30	300
31-40	400
41-50	500
51-60	600
61-70	700
71-80	800
81-90	900
91-100	1000

Strong:

[illegible]

- (b) Where NIS selection is made, enter the description to receiver for each potential task in cells E32 to E57
- (c) Where NIS is split to receiver, select from drop-down list in cells F28 to F41. Solid barrier can be a form of road cutting, solid construction hoarding, acoustic curtain, timber screen, etc. Other options are listed in the notes.
- (d) Where NIS is split to receiver, select from drop-down list in cells G28 to G41. Solid barrier can be a form of road cutting, solid construction hoarding, acoustic curtain, timber screen, etc. Other options are listed in the notes.
9. Identify the level of noise background and/or noise management level (see rows S7 to S2)
10. Identify and implement standard mitigation measures where feasible and reasonable. include any shielding implemented as part of the standard mitigation measures by changing the selection in the 'there is level of split to receiver' drop-down list
11. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65)
12. Document a summary report detailing:
 - (a) background noise levels
 - (b) background noise location, duration, hours of work, construction methodology, plant, potentially impacted receivers, etc.
 - (c) noise management levels
 - (d) predicted noise levels for each time period

(2) team member responsible for implementing mitigation measures and managing noise and vibration

[illegible][illegible]

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

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 - i. *low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and*
 - ii. *Low environmental impact with respect to waste management and flooding, and*
 - iii. *No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.*

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility 589.70 Gate 6 Tarlee Caravan
Location:	CH589.7 (Narrabri, NSW)
Chainage:	CH589.55 – CH589.8
Program*:	Construction: March 2022 Occupation: March 2022 – April 2023
Land Use:	RU1 – Primary Production (Source: Narrabri Shire Council LEP)
Footprint / Size:	<7,500m ²
Use:	Minor Ancillary Facility (CH589.7- Tarlee Caravan) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage ▪ Laydown and structures
Site Surroundings:	Minor Ancillary Facility (Tarlee Caravan) is surrounded by: <ul style="list-style-type: none"> ▪ North: Rail Line, agricultural (cropping) land. ▪ East: Rail line, Newell Highway, sparsely vegetated land, and agricultural (cropping) land. ▪ South: Rail line, LX3060, and agricultural (cropping) land. ▪ West: Agricultural (cropping) land. <p>Access to Minor Ancillary Facility (Tarlee Caravan) will be provided via an existing local Rd (Tarlee Road) at LX543, CH593.35.</p>

	Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ During topsoil stripping in the Five-clawed Worm-skink habitat, fauna spotter-catchers will be present, further mitigation methods are addressed below. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Tarlee Caravan).</p>

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Tarlee Caravan) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>Two sensitive (residential) receivers were identified within 1km of the proposed MAF (Tarlee Caravan) site.</p> <p style="text-align: center;"><i>640.03m NNS_Rx0738</i></p> <p style="text-align: center;"><i>646.86m NNS_Rx0737</i></p> <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (Tarlee Caravan). One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – establishment) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p>Scenario 1: MAF establishment (i.e grader, tracked excavator, delivery truck).</p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - Sensitive receivers are located at the following locations: <ul style="list-style-type: none"> o NN3_Rx0738, located 640.03m North-East of the proposed MAF. This sensitive receiver is expected to experience noise impacts

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>of 36dB, which is 4dB below the daytime NML for the Project. Refer to Appendix C.</p> <p>o NN3_Rx0737, located 646.86 North-East of the MAF. This Sensitive Receiver is expected to experience noise impacts of 36dB, which is 4dB below the daytime NML for the project.</p> <p>- The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works.</p> <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Tarlee Caravan).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Tarlee Caravan) is not located within 50 metres of anyways or drainage lines.</p> <p>The proposed MAF (Tarlee Caravan) site is outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <3,700m² (~100%) of the proposed MAF (Tarlee Caravan) site is mapped as</p> <p>- <i>Zone 0 - Cleared/Non-native Vegetation</i></p> <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Tarlee Caravan) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Tarlee Caravan) site.</p> <p>The <i>Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Access to Minor Ancillary Facility (Tarlee Caravan) will be available north of the MAF site via an existing local Rd (Tarlee Road) at LX543, CH593.35.</p> <p>Refer to Appendix D for further details.</p>
Relatively flat land	Y	Minor Ancillary Facility (Tarlee Caravan) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Tarlee Caravan) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard

Criteria	Compliant (Y) Yes (N) No	Comments
		<ul style="list-style-type: none"> ▪ Rubbish and debris ▪ Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Tarlee Caravan) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	Minor Ancillary Facility (Tarlee Caravan) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Tarlee Caravan) include:

- Dust and associated impacts to air quality resulting from access and use; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> • Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) • The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan • Waste Management • The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. • The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. • Hours of operation. • General noise related mitigation measures. 	Environmental Manager	Pre-construction

	Measure/Requirement	Responsibility	Timing/frequency
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail's CPESC and implemented prior to and during site establishment.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or	Environmental Manager / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<p>program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 		
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers. Anti-gawking screens will be applied where required by a TfNSW Approval.	Environment Manager / Construction Supervisor	Construction

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Kristian Hancock

Position: Trans4m Senior Environmental Advisor

Date: 17/04/2022

Signed: 

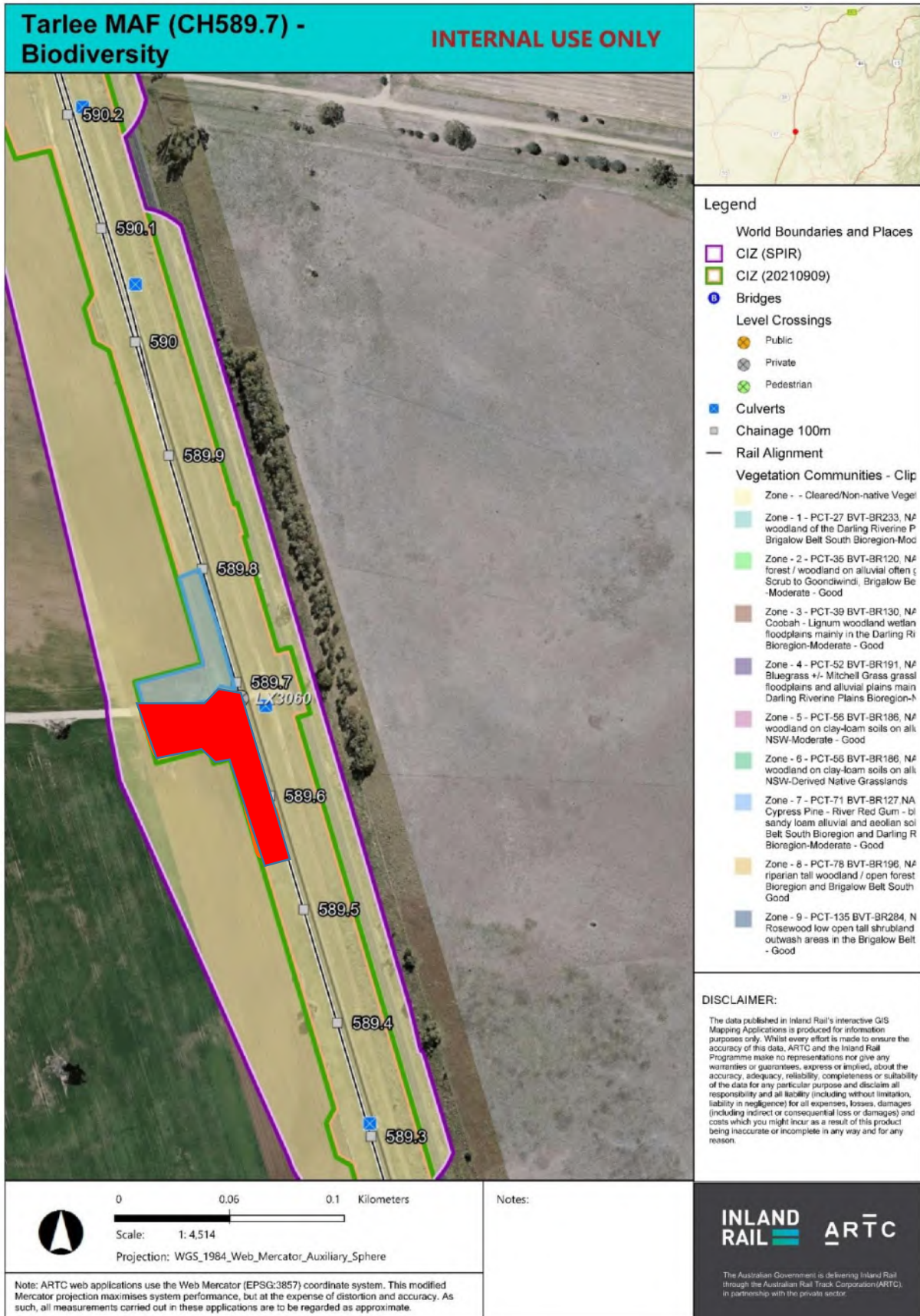
Name: Steve Fermio

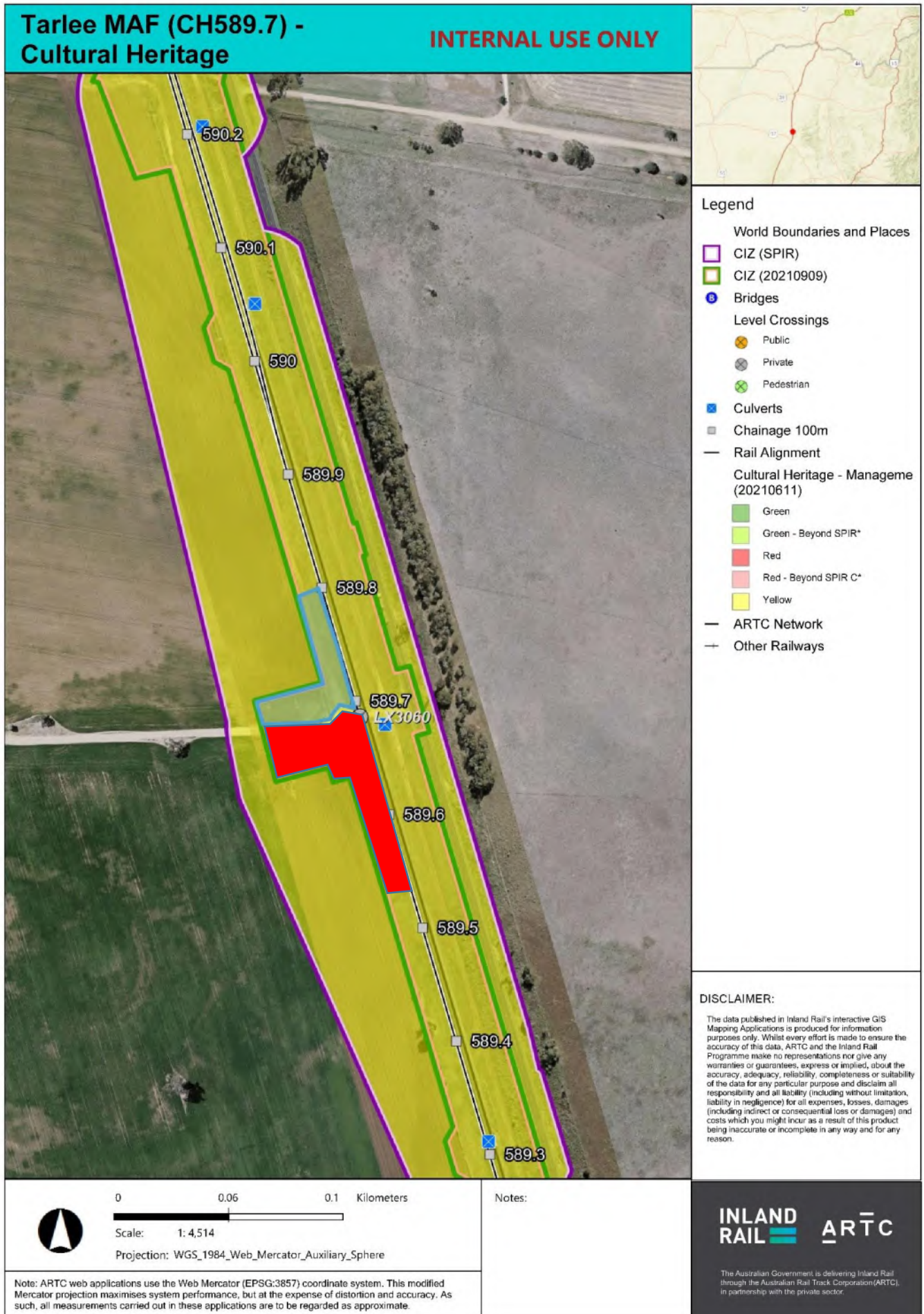
Position: Environmental Representative

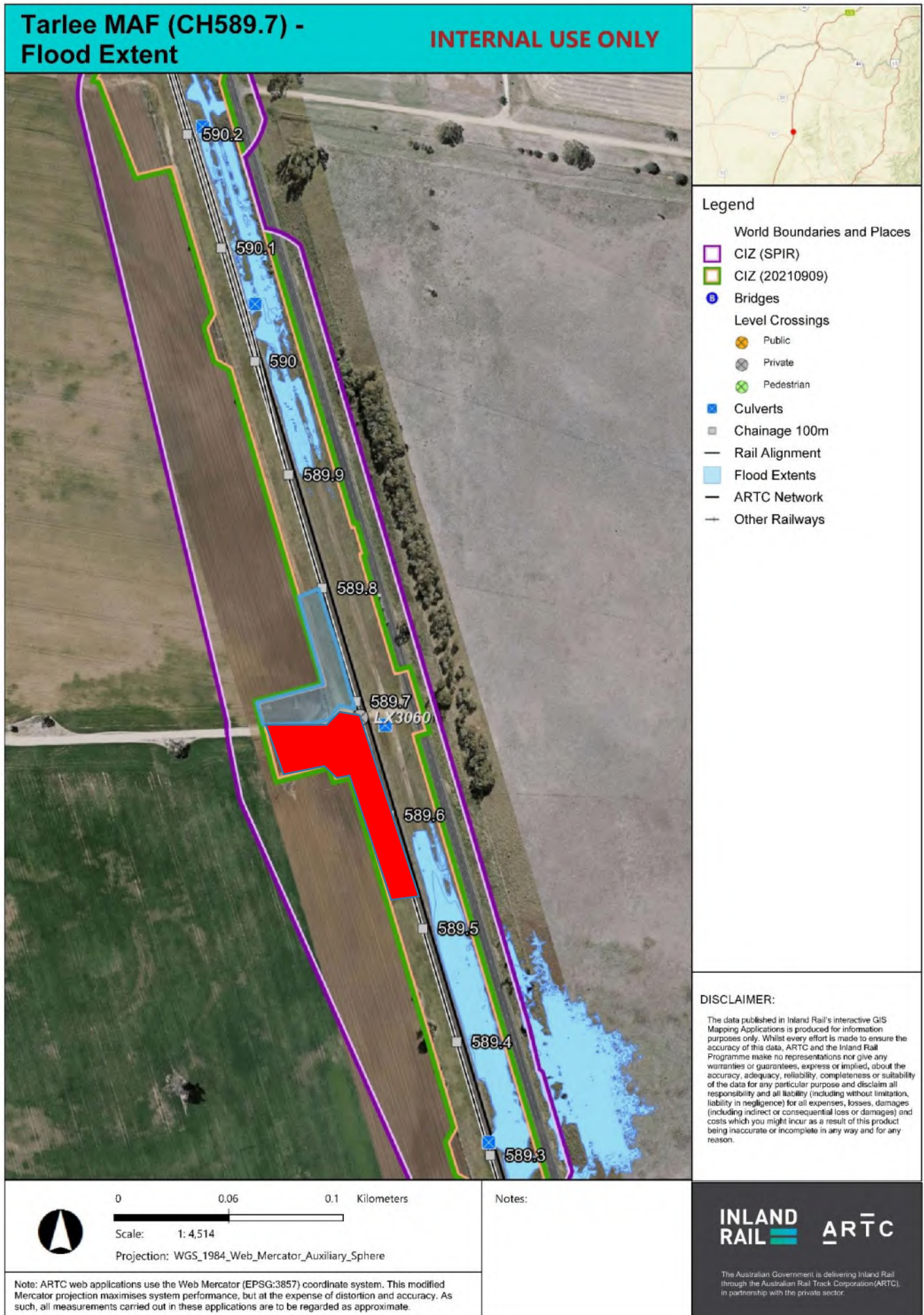
Date: 26 / 4 /2022

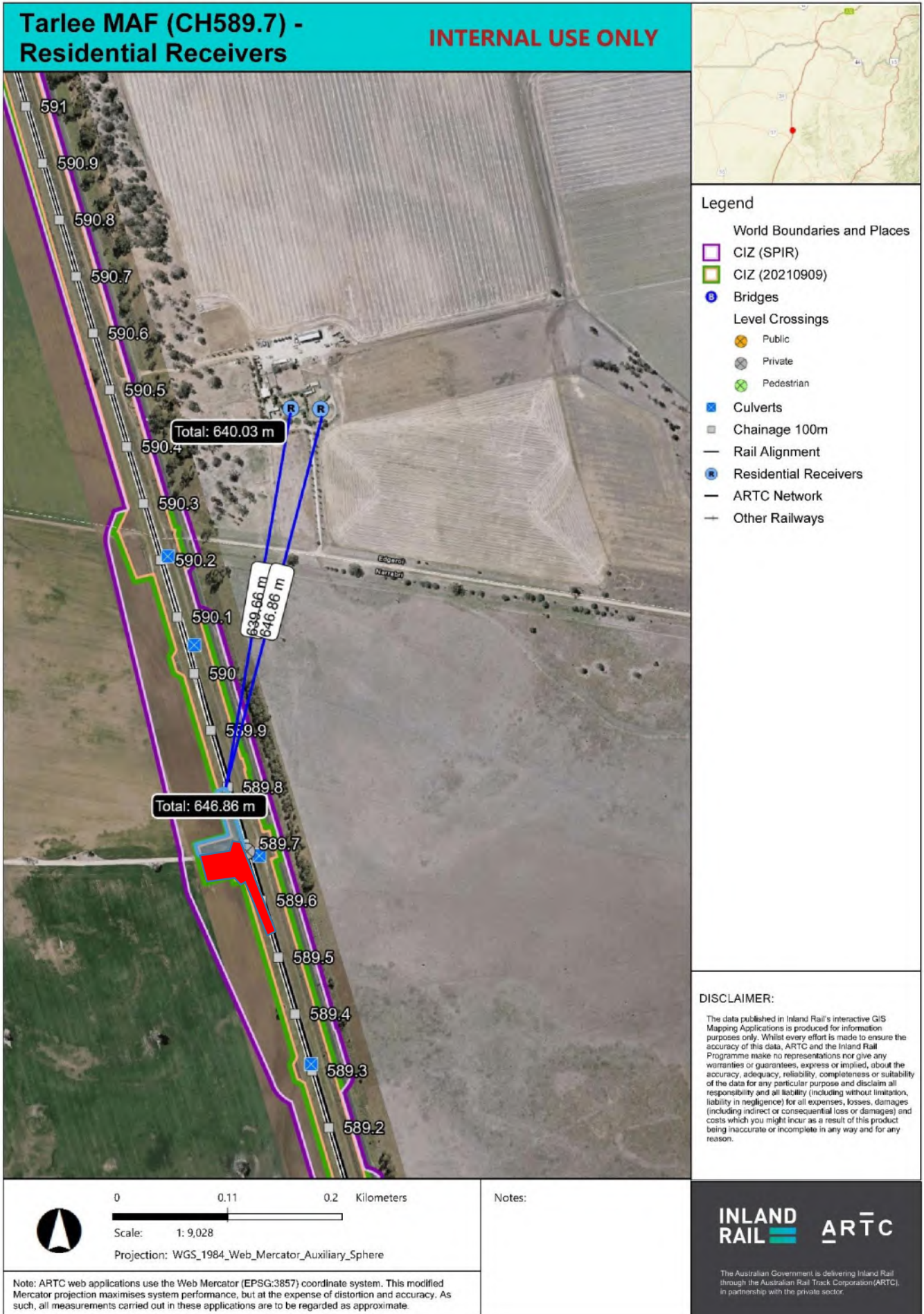
Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

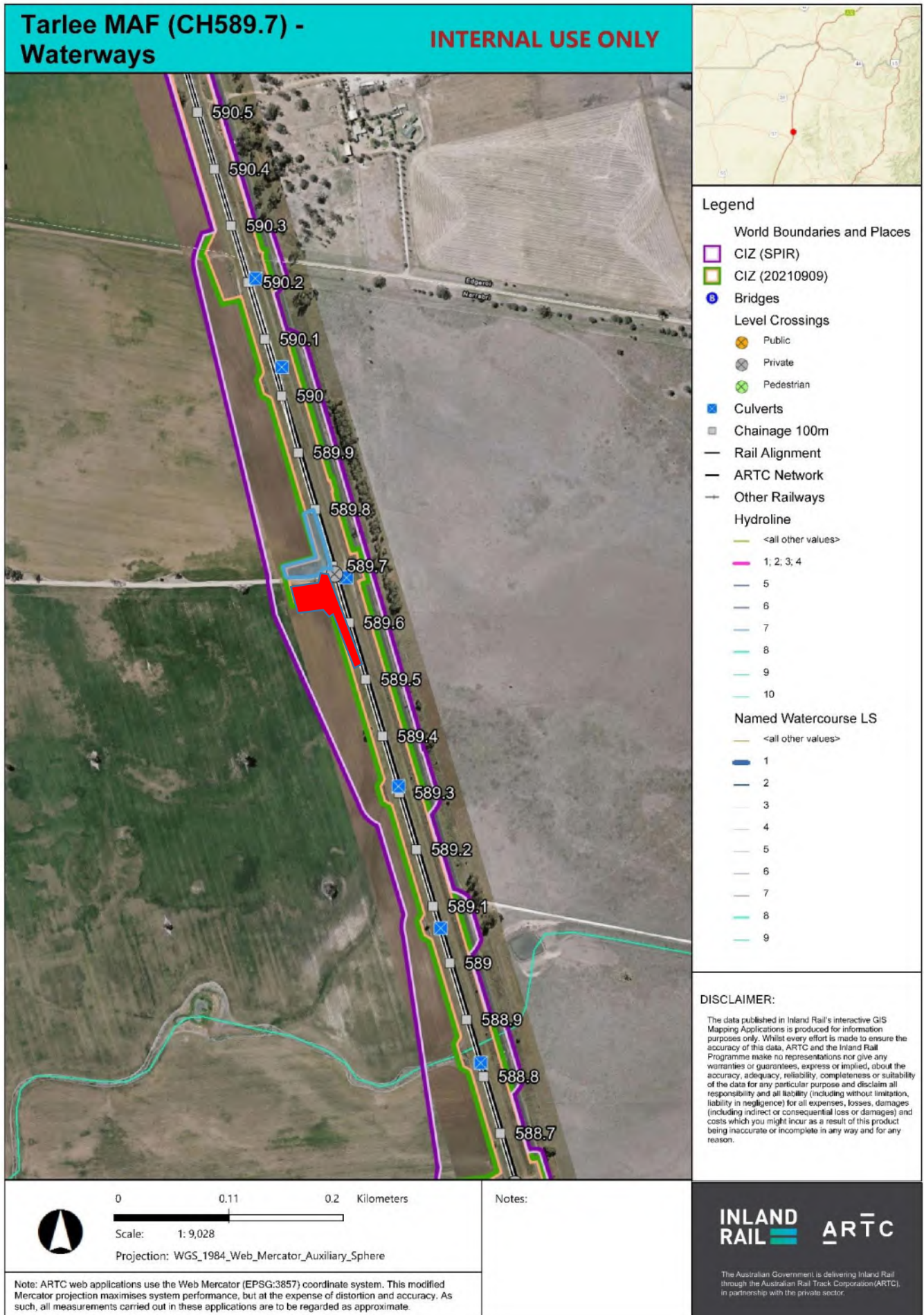
Appendix A: Site Location (incl. Environmentally Sensitive Areas)










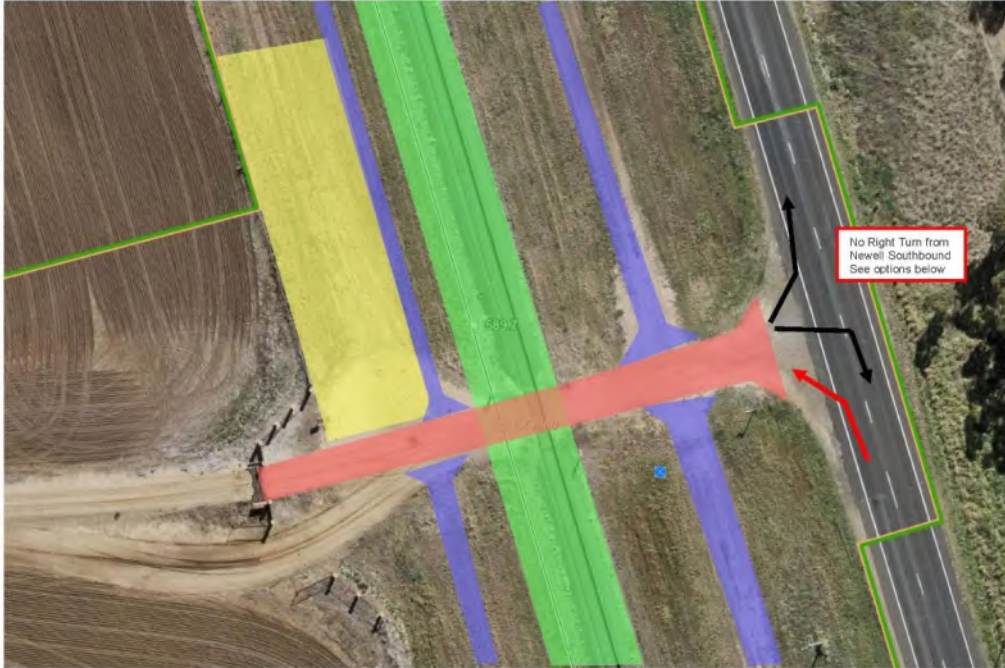




















Appendix B: Site Location (Co-ordinates)

1	Lat: 30.14828° S Lon: 149.80898° E
2	Lat: 30.14835° S Lon: 149.80871° E
3	Lat: 30.15012° S Lon: 149.80960° E
4	Lat: 30.15019° S Lon: 149.80938° E

Inland Rail – Narrabri to North Star SP1
Minor Ancillary Facility Checklist – (Tarlee Caravan) – Rev. 3

Appendix D: Vehicle Movement Plan




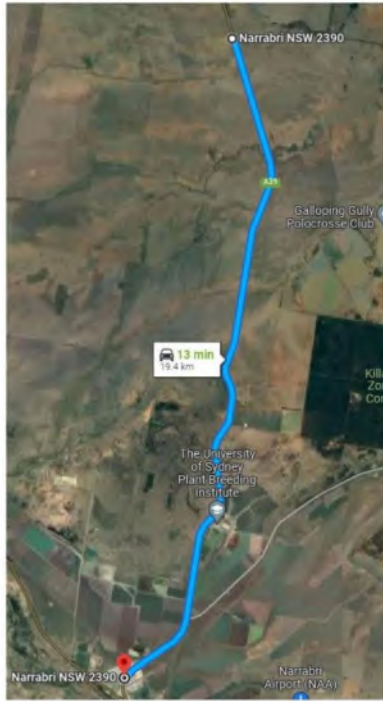















		Vehicle Movement Plan for <u>S1 – CH589.700 – LX3060</u> Minor Private – Gate 6				VMP No: 060 Rev Date: 14/03/2022																	
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053																							
Legend		<table border="1"> <tr> <td></td> <td>Public Access</td> <td></td> <td>Alignment Access</td> <td></td> <td>Main Alignment Works Zone</td> <td></td> <td>General Laydown (See below)</td> </tr> <tr> <td></td> <td>All Traffic IN</td> <td></td> <td>All Traffic OUT</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							Public Access		Alignment Access		Main Alignment Works Zone		General Laydown (See below)		All Traffic IN		All Traffic OUT				
	Public Access		Alignment Access		Main Alignment Works Zone		General Laydown (See below)																
	All Traffic IN		All Traffic OUT																				
Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:		Plan Date: 11/03/2022 Signature:																					
<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 																							


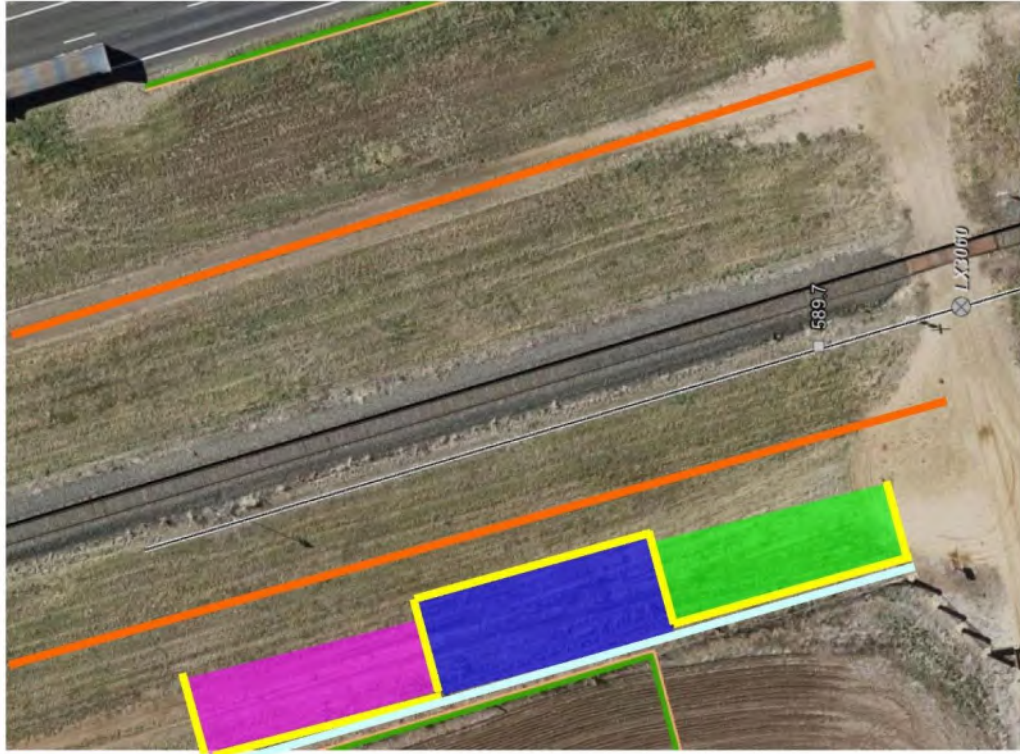






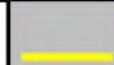
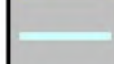



Revision No: 0

Issue Date: 04/02/2022

When printed this document is an uncontrolled version and must be checked against the Aconex electronic version for validity

Page 1

		Vehicle Movement Plan for <u>S1 – CH589.700 – LX3060</u> Minor Private – Gate 6				VMP No: 060 Rev Date: 14/03/2022																	
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053		Southbound Traffic – Site Entry Options: Enter at Gate 4 – south, after LX3060 – Right Turn OK 		Enter at Edgeroi Gate – north, before LX3060 –Right Turn OK 		U-Turn at Narrabri 																	
Legend <table border="1"> <tr> <td></td> <td>Public Access</td> <td></td> <td>Alignment Access</td> <td></td> <td>Main Alignment Works Zone</td> <td></td> <td></td> </tr> <tr> <td></td> <td>All Traffic IN</td> <td></td> <td>All Traffic OUT</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>									Public Access		Alignment Access		Main Alignment Works Zone				All Traffic IN		All Traffic OUT				
	Public Access		Alignment Access		Main Alignment Works Zone																		
	All Traffic IN		All Traffic OUT																				
Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:						Plan Date: 12/03/2022 Signature:																	
<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 																							

		Vehicle Movement Plan for <u>S1 – CH589.700 – LX3060</u> Minor Private – Gate 6			VMP No: 060 Rev Date: 14/03/2022				
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053									
<ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way; stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 									
Legend									
	Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	Lime Storage		Ballast	 	Delineation Pedestrian Access	  	Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail, Narrabri to North Star, Newell Highway Section from Narrabri to Gurley.
 Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greatersydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN, CONTACT: road.access@transport.nsw.gov.au.
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift				To Shift			
From	D	M	Time	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	22	Mar 00:00
Tue	22	Mar	00:00	-	Wed	23	Mar 00:00
Wed	23	Mar	00:00	-	Thu	24	Mar 00:00
Thu	24	Mar	00:00	-	Fri	25	Mar 00:00
Fri	25	Mar	00:00	-	Sat	26	Mar 00:00
Sat	26	Mar	00:00	-	Sun	27	Mar 00:00
Sun	27	Mar	00:00	-	Mon	28	Mar 00:00
Mon	28	Mar	00:00	-	Tue	29	Mar 00:00
Tue	29	Mar	00:00	-	Wed	30	Mar 00:00
Wed	30	Mar	00:00	-	Thu	31	Mar 00:00
Thu	31	Mar	00:00	-	Fri	01	Apr 00:00
Fri	01	Apr	00:00	-	Sat	02	Apr 00:00
Sat	02	Apr	00:00	-	Sun	03	Apr 00:00
Sun	03	Apr	00:00	-	Mon	04	Apr 00:00
Mon	04	Apr	00:00	-	Tue	05	Apr 00:00
Tue	05	Apr	00:00	-	Wed	06	Apr 00:00
Wed	06	Apr	00:00	-	Thu	07	Apr 00:00
Thu	07	Apr	00:00	-	Fri	08	Apr 00:00
Fri	08	Apr	00:00	-	Sat	09	Apr 00:00
Sat	09	Apr	00:00	-	Sun	10	Apr 00:00
Sun	10	Apr	00:00	-	Mon	11	Apr 00:00
Mon	11	Apr	00:00	-	Tue	12	Apr 00:00
Tue	12	Apr	00:00	-	Wed	13	Apr 00:00
Wed	13	Apr	00:00	-	Thu	14	Apr 00:00
Thu	14	Apr	00:00	-	Fri	15	Apr 00:00
Fri	15	Apr	00:00	-	Sat	16	Apr 00:00

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

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SPEED ZONE AUTHORISATION

LIC/SA NO : 556329/001

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



**Transport
Roads & Maritime
Services**

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DEVELOPMENT - NEW CONSTRUCTION

SPEED LIMIT REDUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Existing: 110 Km/h
Reduced To : 80 Km/h

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



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DEVELOPMENT - NEW CONSTRUCTION

SPEED LIMIT REDUCTION

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

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SPEED ZONE AUTHORISATION

LIC/SA NO : 556329/002

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



Transport
Roads & Maritime
Services

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DEVELOPMENT - NEW CONSTRUCTION

SPEED LIMIT REDUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Existing: 110 Km/h
Reduced To : 60 Km/h

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/002
ROADS & MARITIME SERVICES (RMS)
Phone: Monday To Friday 8.30 AM - 4.30 PM

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DEVELOPMENT - NEW CONSTRUCTION
SPEED LIMIT REDUCTION

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

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SPEED ZONE AUTHORISATION

LIC/SAZ NO : 556329/003

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM

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DEVELOPMENT - NEW CONSTRUCTION

SPEED LIMIT REDUCTION

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 40 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



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DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable

This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

SPEED LIMIT REDUCTION

Existing: 110 Km/h

Reduced To : 40 Km/h

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) are located within the construction boundary; and
- (b) have been assessed by the ER to have –
 - i. low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and
 - ii. Low environmental impact with respect to waste management and flooding, and
 - iii. No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Tremayne Caravan)
Location:	CH613.100 Bellata (Narrabri, NSW)
Chainage:	CH613.100
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	RU1 – Primary Production (Source: Narrabri Shire Council LEP)
Footprint / Size:	< 5,000m ²
Use:	Minor Ancillary Facility (Tremayne Caravan) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage
Site Surroundings:	<p>Minor Ancillary Facility (Tremayne Caravan) is surrounded by:</p> <ul style="list-style-type: none"> ▪ North: Rail Line, LX547, agricultural (cropping) land, and the Newell Highway. ▪ East: Newell Highway, Gehan Creek, and agricultural (cropping) land. ▪ South: Rail Line, agricultural (cropping) land, and the Newell Highway. ▪ West: Rail line, sensitive (residential receivers), and agricultural cropping land. <p>Access to Minor Ancillary Facility (Tremayne Caravan) will be provided via Gate 13 at LX547 off the Newell Highway.</p> <p>Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.</p>

Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. ▪ Unless specified in a TfNSW approval, anti-gawking screens will not be applied adjacent this MAF location. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Tremayne Caravan).</p>
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*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Tremayne Caravan) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>Two sensitive (residential) receivers are identified within 1km of the proposed MAF (Tremayne Caravan) site.</p> <ul style="list-style-type: none"> - 107.72 m NNS_Rx0767 - 107.58 m NNS_Rx0766 <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (CH578.000). One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – MAF Establishment)</p> <p>NOTE: The noise assessment assumes all plant / equipment will be operating at the nearest boundary to the landholder. The scenario being:</p> <p><i>Scenario 1: MAF Site Establishment (i.e.Grader)</i></p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - Sensitive receivers are located at the following locations: <ul style="list-style-type: none"> o Both NNS_Rx0767 and NNS_Rx0766 are located approximately 108m west of the proposed MAF site. These sensitive receivers will expect to experience noise

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>impacts of 59dB or 19 dB above the daytime NML for the Project. Refer to Appendix C.</p> <ul style="list-style-type: none"> - The noise assessment identified that no sensitive receivers will be highly noise impacted (>75dB) by the works. <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Tremayne Caravan).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Tremayne Caravan) is located approximately 517.11 metres West of Gehan Creek.</p> <p>The proposed MAF (Tremayne Caravan) site lies within the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p> <p>Weather will be monitored daily, and in the event of a BOM flood event warning, all general storage and site caravan will be relocated to an area within the WIP CIZ but outside the flood impact zone.</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <5,000m² (~100%) of the proposed MAF (Tremayne Caravan) site is mapped as:</p> <ul style="list-style-type: none"> - Zone-4- PCT-52BVT-BR191 NA187-Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion-Native Grassland. <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	<p>The establishment and operation of MAF (Tremayne Caravan) will not result in significant impacts to existing gas, electrical, water or communications utilities.</p>
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Tremayne Caravan) site.</p> <p><i>The Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1), dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</i></p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Safe access to Minor Ancillary Facility (Tremayne Caravan) will be provided South of the MAF via existing access track off the Newell Highway at access gate 13.</p> <p>A transport for NSW (TfNSW) approved Road Occupancy Licence (ROL) is in place for the use of this access point from the Newell Highway. This ROL will be maintained whilst this access point is being utilised for the project. See appendix E.</p> <p>The Stage 1 Construction Traffic Management Sub Plan (TMP) has been prepared and approved by TfNSW. The TMP includes the upgrade of 10 Major and 18 Minor Construction Gates within Stage 1 in accordance with a TfNSW approved RoadNet Design. These construction gates will be used to access the MAFs within Stage 1.</p>

Criteria	Compliant (Y) Yes (N) No	Comments
Relatively flat land	Y	Minor Ancillary Facility (Tremayne Caravan) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Tremayne Caravan) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> Wastewater Wastepaper / cardboard Rubbish and debris Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Tremayne Caravan) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	<p>Minor Ancillary Facility (Tremayne Caravan) will be assessed in the field for visual impact from both adjacent sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.</p> <p>Anti-gawking screens will be applied where required by a TfNSW Approval.</p>

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Tremayne Caravan) include:

- Disturbance of predicted Five-Clawed Worm-Skink habitat during site establishment;
- Dust and associated impacts to air quality resulting from access and use; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) 	Environmental Manager	Pre-construction


	Measure/Requirement	Responsibility	Timing/ frequency
	<ul style="list-style-type: none"> The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan Waste Management The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. Hours of operation. General noise related mitigation measures. Five Clawed Worm Skinks, including habitat location and all mitigation measures specified by DPIE & ARTC. 		
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means. Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	<p>Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement 	Environmental Manager / Construction Supervisor	Construction
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers. Anti-gawking screens will be applied where required by a TfNSW Approval.	Environment Manager / Construction Supervisor	Construction
20)	<p>All personnel would be inducted on the subject of Five-clawed Worm-skinks (FCWS). Targeted FCWS surveys would be undertaken by Project Ecologist and/or Fauna Spotter-Cather team prior to and during slashing, clearing of woody vegetation and topsoil stripping activities within the following chainages, stage 1 chainage 603.000 to 625.000 and stage 3 chainage 735.000 to 754.250.</p> <p>The surveys would include active searches of microhabitats, including, carefully turning woody debris, rocks and artificial debris, raking the soil surface or leaf litter beneath trees and looking beneath peeling bark for reptiles or their sloughs, searching for animals during topsoil stripping (working closely with the grader operator).</p> <p>Targeted pre-clearing surveys would comprise a minimum of 1.5 person hours per hectare for habitats of average complexity per targeted species (scaled up or down depending on site complexity).</p> <p>Any FCWS captured would have the following data collected: GPS coordinates of capture/relocation site, measurements of snout-vent length, tail length and total length. Relocation site are to be as close to capture site as possible with suitable microhabitat. No more than 10 adults and 5 sub-adults or hatchlings per 100m2 of suitable habitat may be relocated due to risk of overstocking.</p> <p>NOTE: Additional measures will be taken to avoid relocated individuals from re-entering the construction site i.e. sediment fence, etc.</p>	Environmental Manager/ Construction Supervisor	Construction
21)	Within the proposed MAF (Tremayne Caravan) site a total area of ~100% was identified as Zone 4- PCT 52 Queensland bluegrass/Mitchell grass NOTE: As these are within the SPIR CIZ these have been accounted for in the Project's Approval and if removal is required will be offset under the projects Biodiversity Offset Strategy.	Environmental Works team	Construction

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Maggie Wilton

Position: Trans4m Rail Enviro & Sustainability Admin Assistant

Date: 6/04/2022

Signed: 

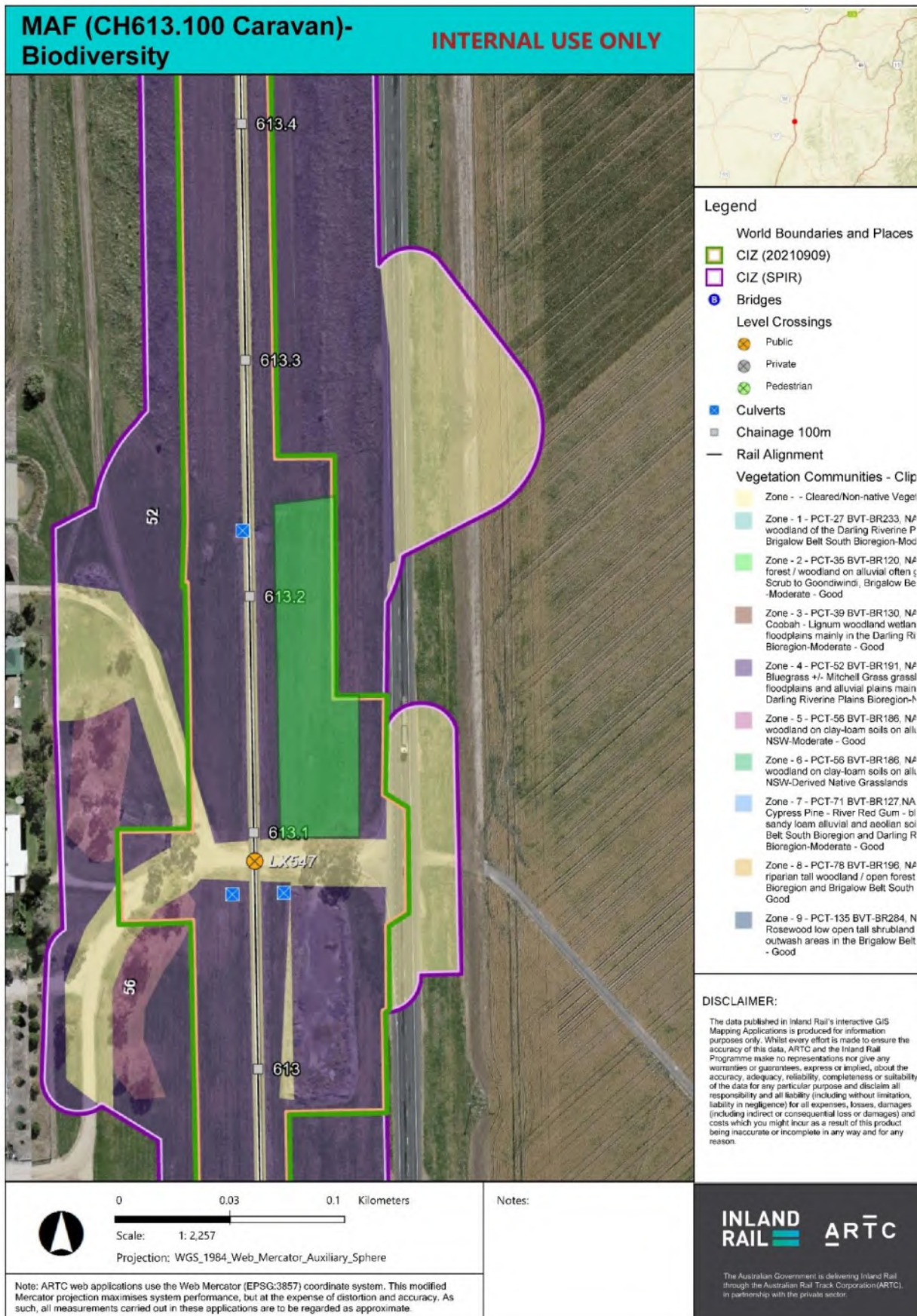
Name: Steve Fermio

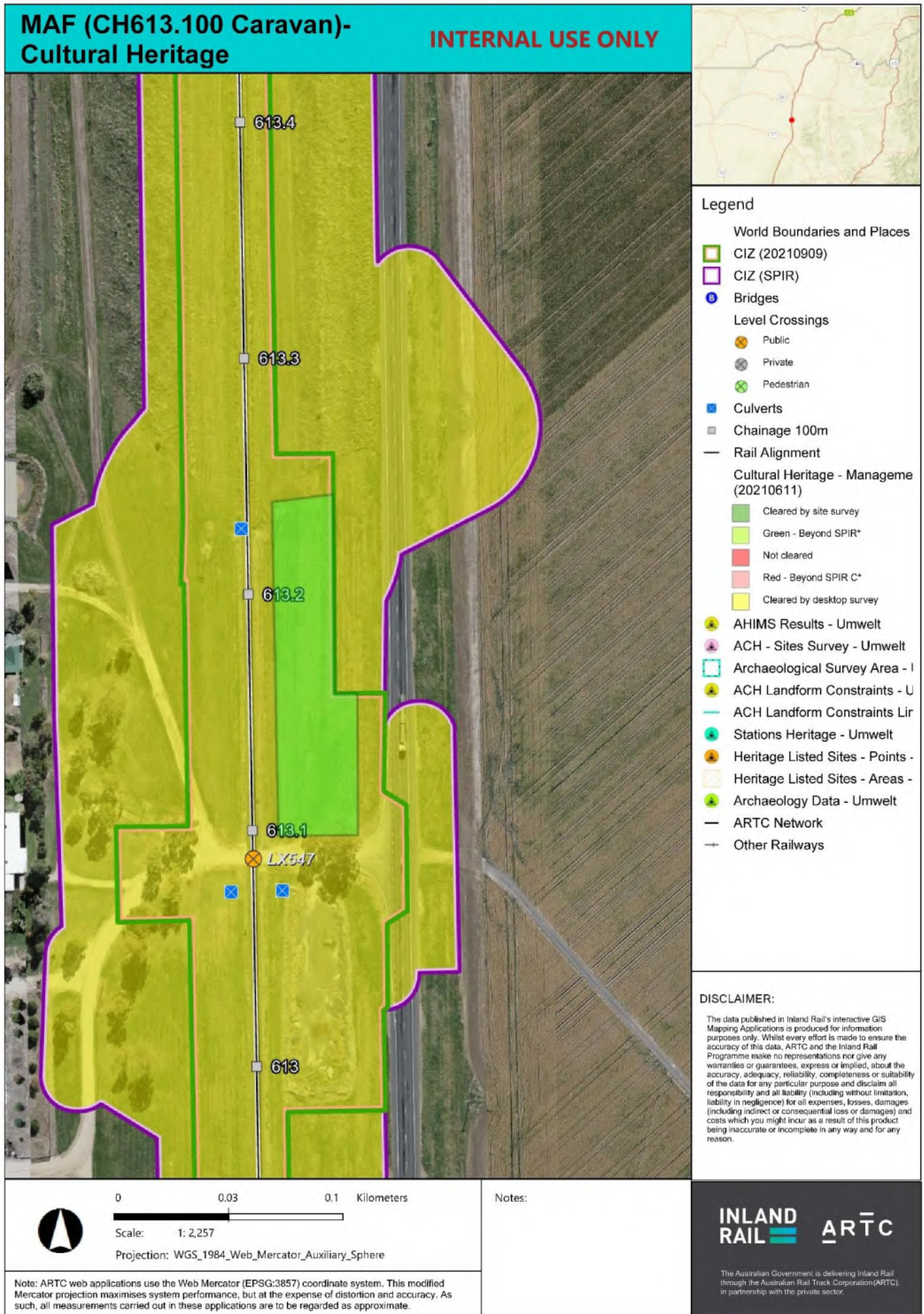
Position: Environmental Representative

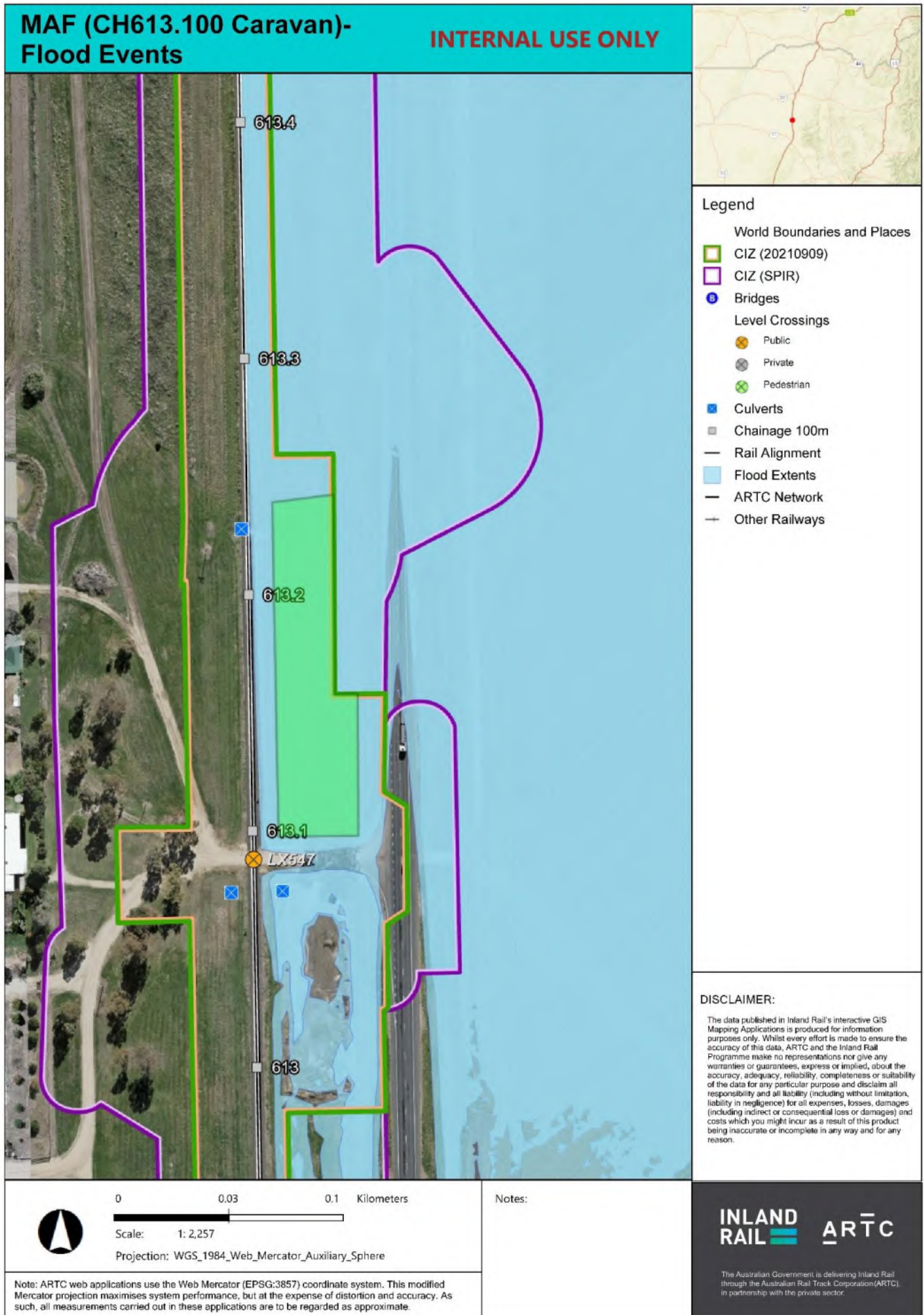
Date: 7/4/2022

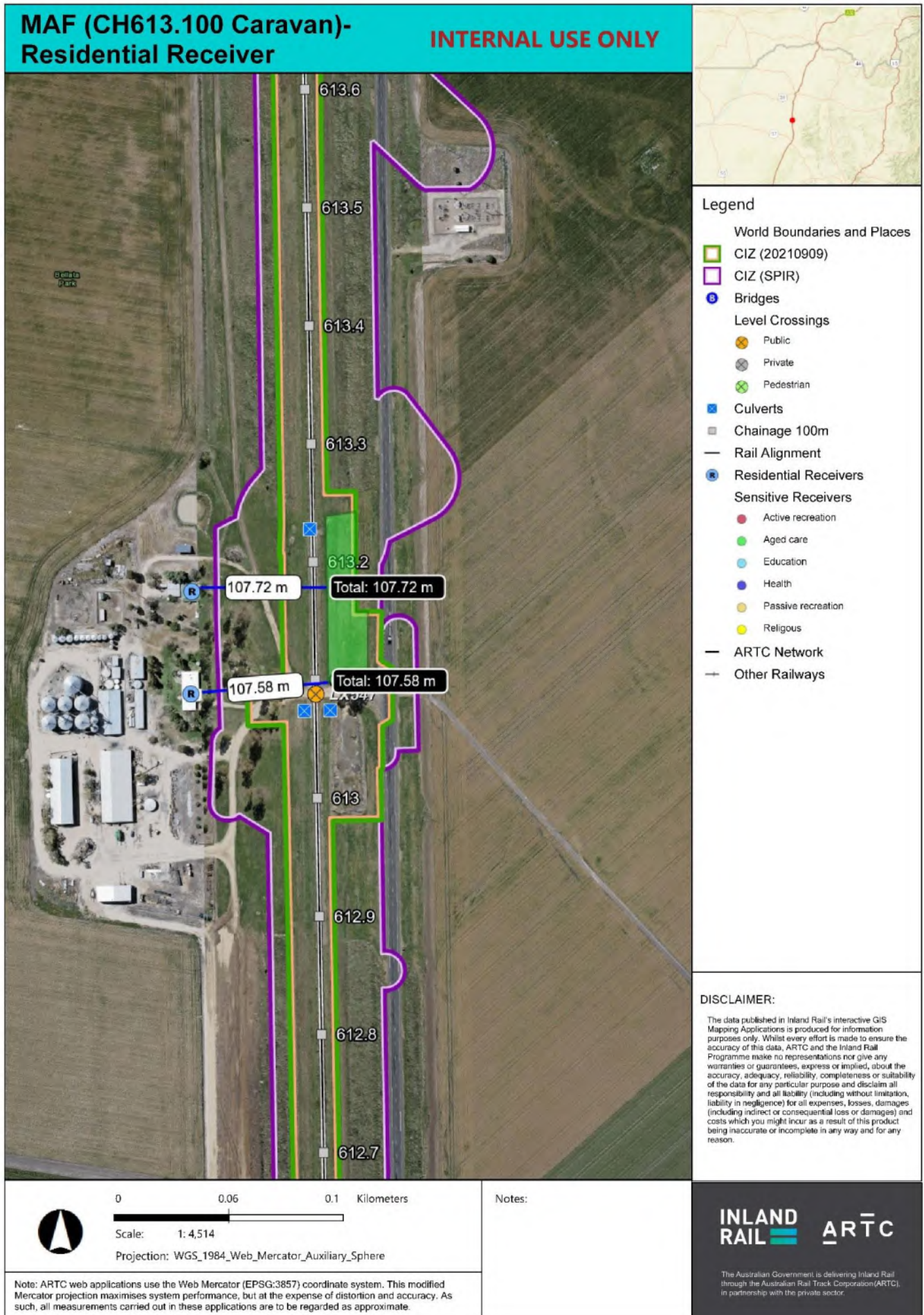
Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

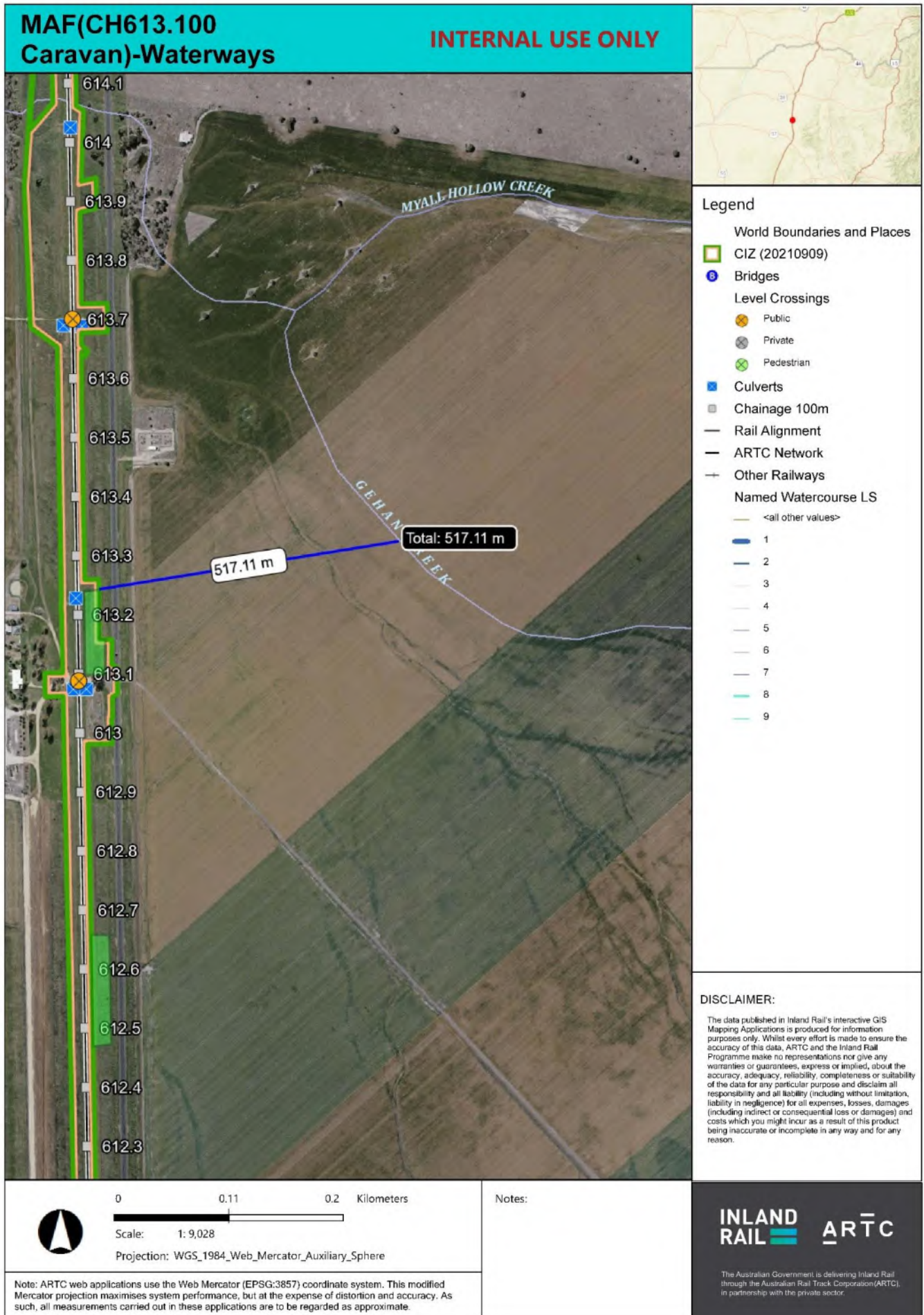
Appendix A: Site Location (incl. Environmentally Sensitive Areas)










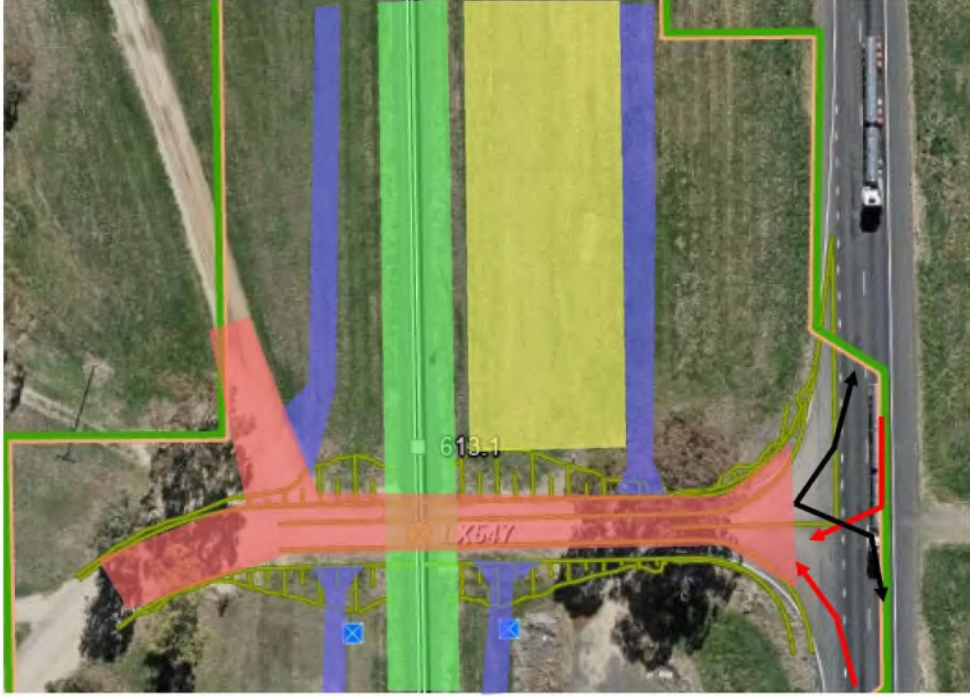



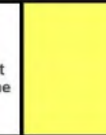





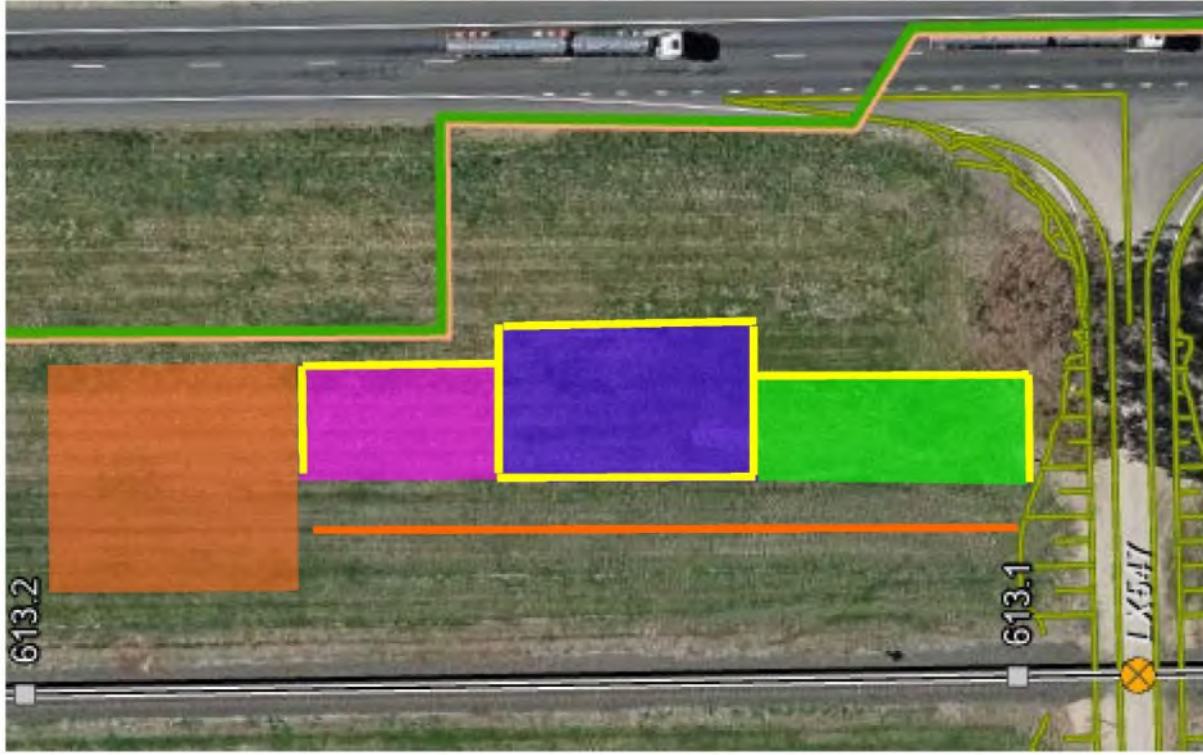
Appendix B: Site Location (Co-ordinates)


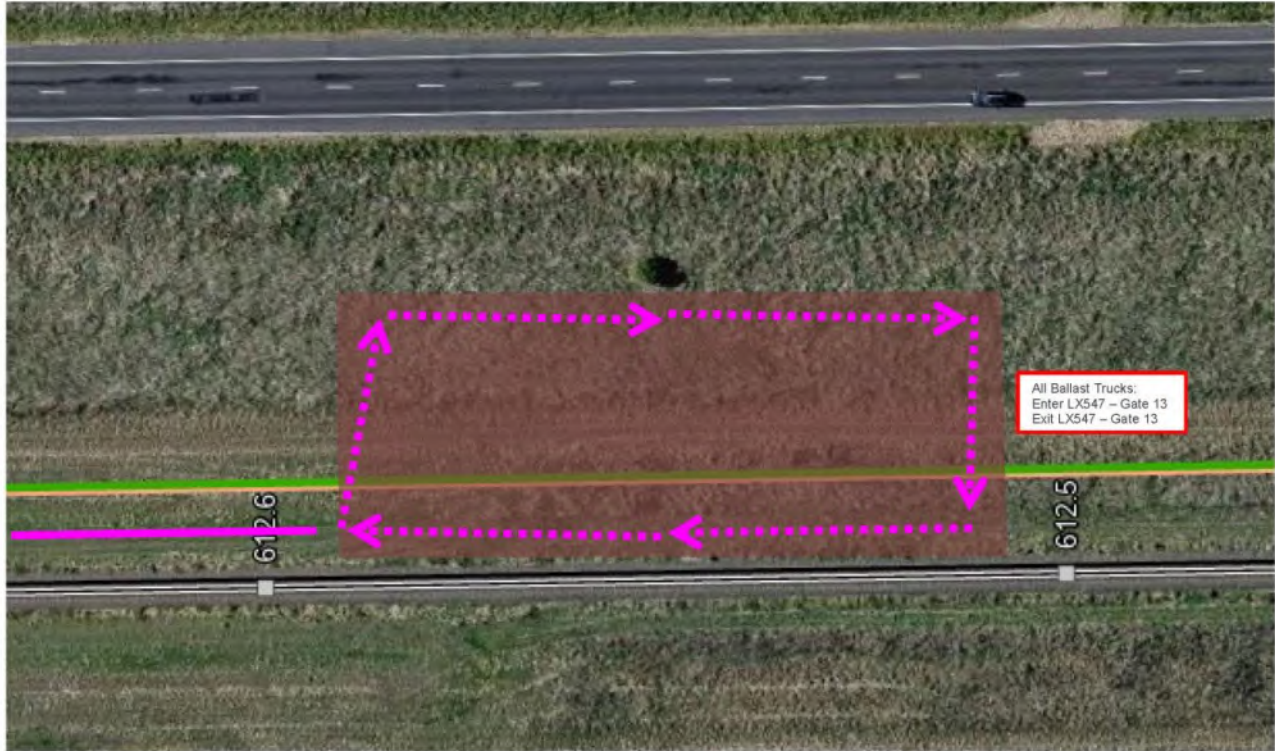
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2	Lat: 29.94018° S Lon: 149.79106° E
3	Lat: 29.94019° S Lon: 149.79140° E
4	Lat: 29.93892° S Lon: 149.79102° E

Appendix C: Noise Estimator

Appendix D: Vehicle Movement Plan

	Vehicle Movement Plan for <u>S1 – CH613.100 – LX547</u> Major Private – Gate 13						VMP No: 071 Rev Date: 14/03/2022		
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 									
Legend									
	Public Access		Alignment Access		Main Alignment Works Zone		General Laydown (See below)	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

	Vehicle Movement Plan for <u>S1 – CH613.100 – LX547</u> Major Private – Gate 13	VMP No: 071 Rev Date: 14/03/2022																				
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way; stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 																						
<p>Legend</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">Materials Laydown</td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">Crib Facilities</td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">LV Carpark</td> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">HV Carpark</td> <td style="width: 20%;"> Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel: </td> <td style="width: 20%;"> Plan Date: 11/03/2022 Signature: </td> </tr> <tr> <td></td> <td style="text-align: center;">Lime Storage</td> <td></td> <td style="text-align: center;">Ballast</td> <td style="text-align: center;">Delineation Pedestrian Access</td> <td style="text-align: center;">Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way</td> <td colspan="4"> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> </tr> </table>				Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:		Lime Storage		Ballast	Delineation Pedestrian Access	Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 			
	Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:													
	Lime Storage		Ballast	Delineation Pedestrian Access	Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 																

		Vehicle Movement Plan for <u>S1 – CH613.100 – LX547</u> Major Private – Gate 13				VMP No: 071 Rev Date: 14/03/2022	
Plan Principles Requirements working in and around Mobile Plant: <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. VMP Details Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608 Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859 First Aid Aider: Robert White – EW Super. – 0447 679 053							
Legend							
Materials Laydown	Crib Facilities	LV Carpark	HV Carpark	Plan approval/acceptance		Plan Date: 11/03/2022	
				Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:		Signature:	
Lime Storage	Ballast	Delineation	Pedestrian Access	Mixed Access	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 		
				LV Access			
				HV Access			
				Solid 2-Way			
				Dash 1-Way			

Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greaterSydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN. CONTACT: road.access@transport.nsw.gov.au.
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.



SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM

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DEVELOPMENT - NEW CONSTRUCTION

SPEED LIMIT REDUCTION

Project: Not Applicable

Existing: 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Reduced To : 80 Km/h

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
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Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
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Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

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SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/001****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 80 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 2000
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
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Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/002**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h**This Activity :** In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
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Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/003****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
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Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
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Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
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Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



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DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable

This Activity : In Land Rail. Narrabri to North Star. Newell Highway
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

SPEED LIMIT REDUCTION

Existing: 110 Km/h

Reduced To : 40 Km/h

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

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Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
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Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) are located within the construction boundary; and
- (b) have been assessed by the ER to have –
 - i. low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and
 - ii. Low environmental impact with respect to waste management and flooding, and
 - iii. No impacts on biodiversity on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Waterloo 2 Ballast)
Location:	1.4km North of Waterloo Road (Gurley, NSW)
Chainage:	CH629.300
Program*:	Construction: May 2021 Occupation: May 2021 – December 2022
Land Use:	RU1 – Primary Production (Source: Moree Plains Shire Council LEP)
Footprint / Size:	<1,000m ²
Use:	Minor Ancillary Facility (Waterloo 2 Ballast) will be utilised for the following purposes: <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ Storage of construction plant and equipment. ▪ Top and Bottom Ballast stockpiles
Site Surroundings:	Minor Ancillary Facility (Waterloo 2 Ballast) is cleared and relatively flat land. The site is surrounded by: <ul style="list-style-type: none"> ▪ North: Rail alignment and sparsely vegetated land. ▪ East: Rail alignment, sparsely vegetated land and extensive agriculture. ▪ South: Rail alignment and sparsely vegetated land. ▪ West: Sparsely vegetated land and the Newell Highway. <p>Access to Minor Ancillary Facility (Waterloo 2 Ballast) will be provided via the alignment from an existing local road south of the MAF at LX1828, or off Kanimbla Rd North of the MAF at LX553.</p>

	The proposed MAF site will be facilitated under TfNSW Road Occupancy Licence, detailed in Appendix C.
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. ▪ Unless specified in a TfNSW approval, anti-gawking screens will not be applied adjacent this MAF location. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Waterloo 2 Ballast).</p>

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Waterloo 2 Ballast) occurs on land that’s within the Project’s Submission Preferred Infrastructure Report Construction Impact Zone (SPIR CIZ).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>One (1) sensitive (residential) receiver has been identified within 3.0km of the proposed MAF (Waterloo Road) site. This receiver has been identified to be:</p> <ul style="list-style-type: none"> ▪ NNS_Rx0847 – Located 2.32km to the south-east. <p>The location of this receiver is shown in Appendix A below.</p> <p>The noise impacts to this sensitive receiver will be managed using the mitigation measures detailed in Section 2 of this document.</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Waterloo 2 Ballast) site gently falls to the south to Waterloo Creek, >2km away.</p> <p>The proposed MAF (Waterloo 2 Ballast) site is outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>The entire site of the proposed MAF (Waterloo 2 Ballast) is mapped as</p> <ul style="list-style-type: none"> - <i>Zone - 4 - PCT-52 BVT-BR191, NA187-Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion-Native Grassland</i> <p>NOTE: This PCT is representative of Threatened Ecological Community - <i>Natural grasslands on basalt and fine-textured alluvial plains of northern New South Wales and southern Queensland CEEC</i> (EPBC Act).</p> <p>No threatened flora, threatened fauna or suitable habitat were mapped or recorded within the area directly impacted by the proposed MAF during the Biodiversity Assessment undertaken for the Project EIS.</p>

Criteria	Compliant (Y) Yes (N) No	Comments
		<p>Although this location is mapped as Zone 4 – PCT-52, this site was cleared of vegetation a number of years ago and has a gravel base that is utilised as a stockpile area by TfNSW. The location is void of vegetation, except for one tree which will be retained. This is shown in Appendix A below.</p> <p>A recording of Finger Panic Grass (<i>Digitaria porrecta</i>) was recorded 850m to the south of the MAF (Waterloo 2 Ballast) site. This will not be impacted by the works.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Waterloo 2 Ballast) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Waterloo 2 Ballast) site.</p> <p>An assessment of ARTC's <i>Addendum Aboriginal Cultural Heritage Assessment Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, (Dated Dec 2020) confirmed the proposed MAF (Waterloo 2 Ballast) is located outside any areas to be surveyed or salvaged.</p> <p>A non-Aboriginal heritage site is located 1.3km to the south (Kilgowla Station). The Project EIS identified that there are no remains of the station and no management is required (<i>Table 6.1 - Technical Report 9: Non-Aboriginal Heritage Impact Statement</i>).</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Access to Minor Ancillary Facility (Waterloo 2 Ballast) will be provided via the alignment from an existing local road south of the MAF at LX1828, or off Kanimbla Rd North of the MAF at LX553.</p> <p>The proposed MAF site will be facilitated under TfNSW Road Occupancy Licence, detailed in Appendix C.</p>
Relatively flat land	Y	Minor Ancillary Facility (Waterloo 2 Ballast) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Waterloo 2 Ballast) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard ▪ Rubbish and debris ▪ Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Waterloo 2 Ballast) are considered minor and consistent with those impacts approved under SSI 7474.

Criteria	Compliant (Y) Yes (N) No	Comments
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	Minor Ancillary Facility (Waterloo 2 Ballast) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Waterloo 2 Ballast) include:

- Dust and associated impacts to air quality resulting from access and vehicle movements; and
- Disturbance of predicted Five-Clawed Worm-Skink habitat during ground disturbing activities.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

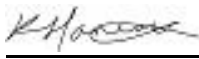
	Measure/Requirement	Responsibility	Timing/ frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> • Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) • The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan • Waste Management • The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. • The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. • Hours of operation. • General noise related mitigation measures. • Five Clawed Worm Skinks, including habitat location and all mitigation measures specified by DPIE & ARTC. 	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Erosion and sediment controls must be inspected and maintained in accordance with the certified ESC Plan.	Environmental Coordinators	Construction
4)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
5)	Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs through use of a street sweeper or other means.	Construction Supervisor	Construction
6)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
7)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
8)	Disturbance limits (No Go Zones) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance or construction activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
9)	Groundcover to be progressively re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
10)	In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented. Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.	All personnel / Construction Supervisor	Construction
11)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
12)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
13)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
14)	Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable. Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP. In addition to this, the following measures will be undertaken; -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc).	Environmental Manager / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	<ul style="list-style-type: none"> -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 		
15)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents. The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
16)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken.	Construction Supervisor	Construction
17)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
18)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
19)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
20)	<p>All personnel would be inducted on the subject of Five-clawed Worm-skinks (FCWS). Targeted FCWS surveys would be undertaken by Project Ecologist and/or Fauna Spotter-Cather team prior to and during slashing, clearing of woody vegetation and topsoil stripping activities.</p> <p>The surveys would include active searches of microhabitats, including, carefully turning woody debris, rocks and artificial debris, raking the soil surface or leaf litter beneath trees and looking beneath peeling bark for reptiles or their sloughs, searching for animals during topsoil stripping (working closely with the grader operator).</p> <p>Targeted pre-clearing surveys would comprise a minimum of 1.5 person hours per hectare for habitats of average complexity per targeted species (scaled up or down depending on site complexity).</p> <p>Any FCWS captured would have the following data collected: GPS coordinates of capture/relocation site, measurements of snout-vent length, tail length and total length. Relocation site are to be as close to capture site as possible with suitable microhabitat. No more than 10 adults and 5 sub-adults or hatchlings per 100m² of suitable habitat may be relocated due to risk of overstocking.</p> <p>NOTE: Additional measures will be taken to avoid relocated individuals from re-entering the construction site i.e. sediment fence, etc.</p>	Environment Manager / Construction Supervisor	Construction

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed:  (Kristian Hancock (pp))

Name: Kristian Hancock

Position: Trans4m Rail - Senior Environment Advisor

Date: 28/03/22



Signed:

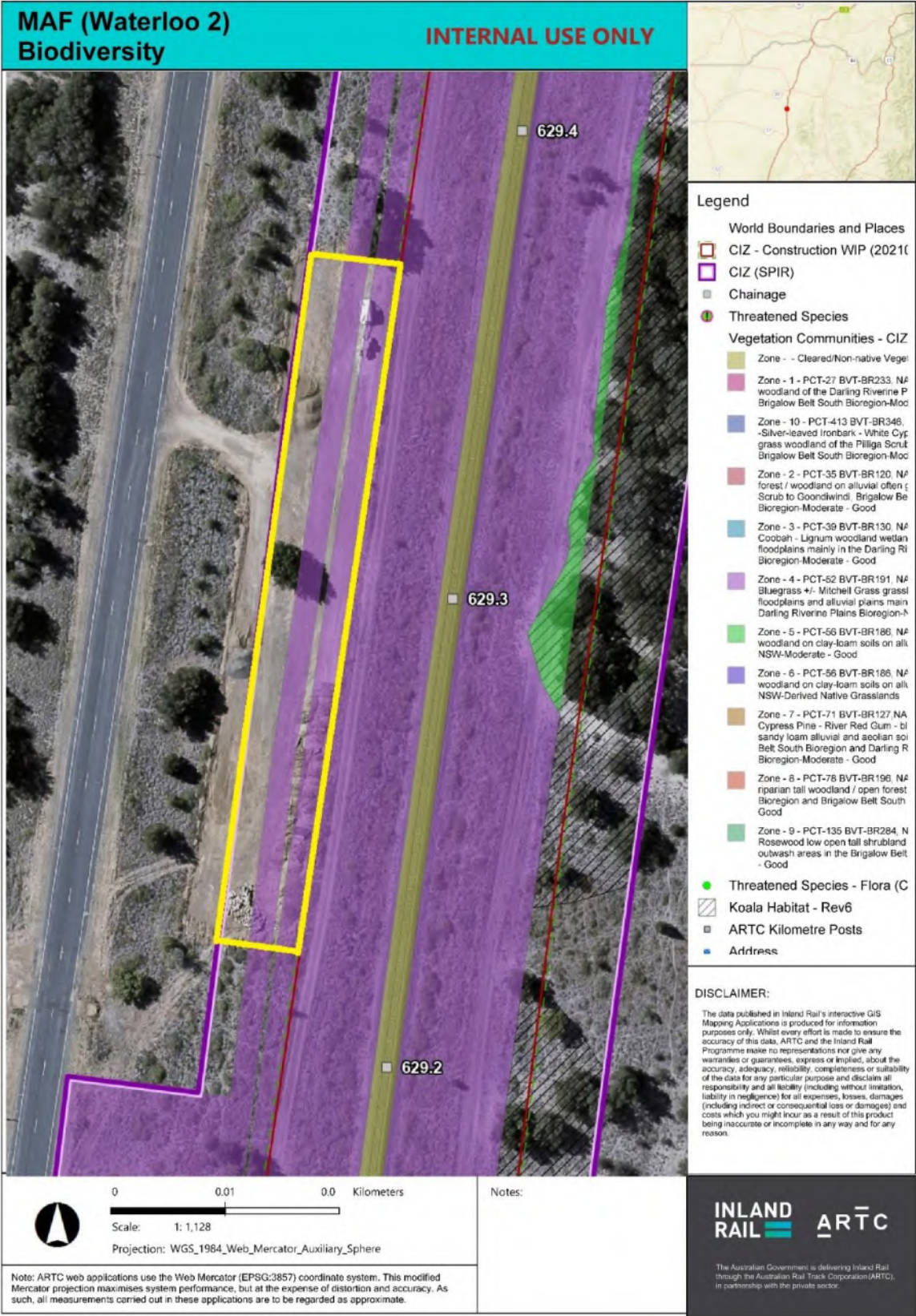
Name: Steve Fermio

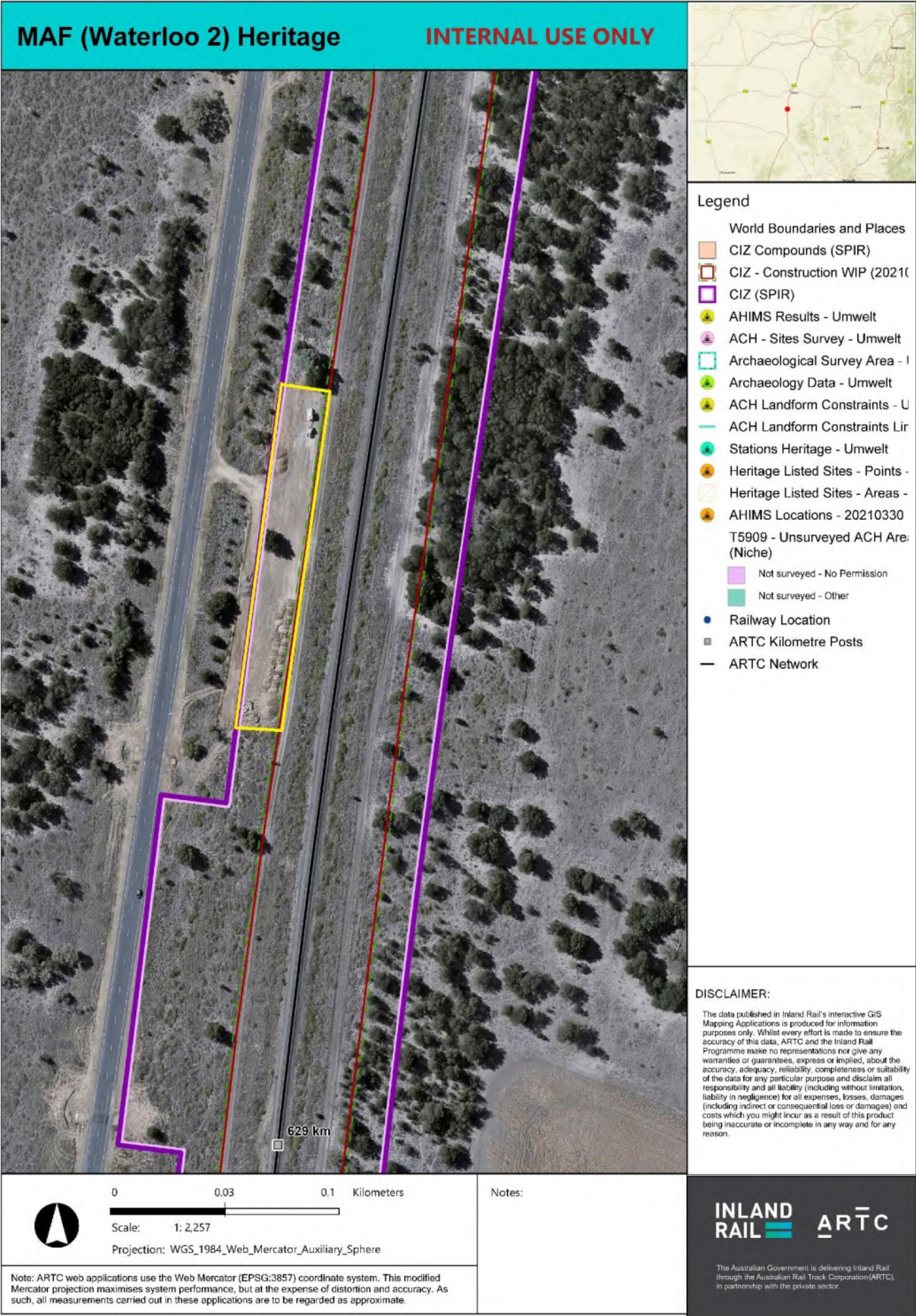
Position: Environmental Representative

Date: 26 / 4 /2022

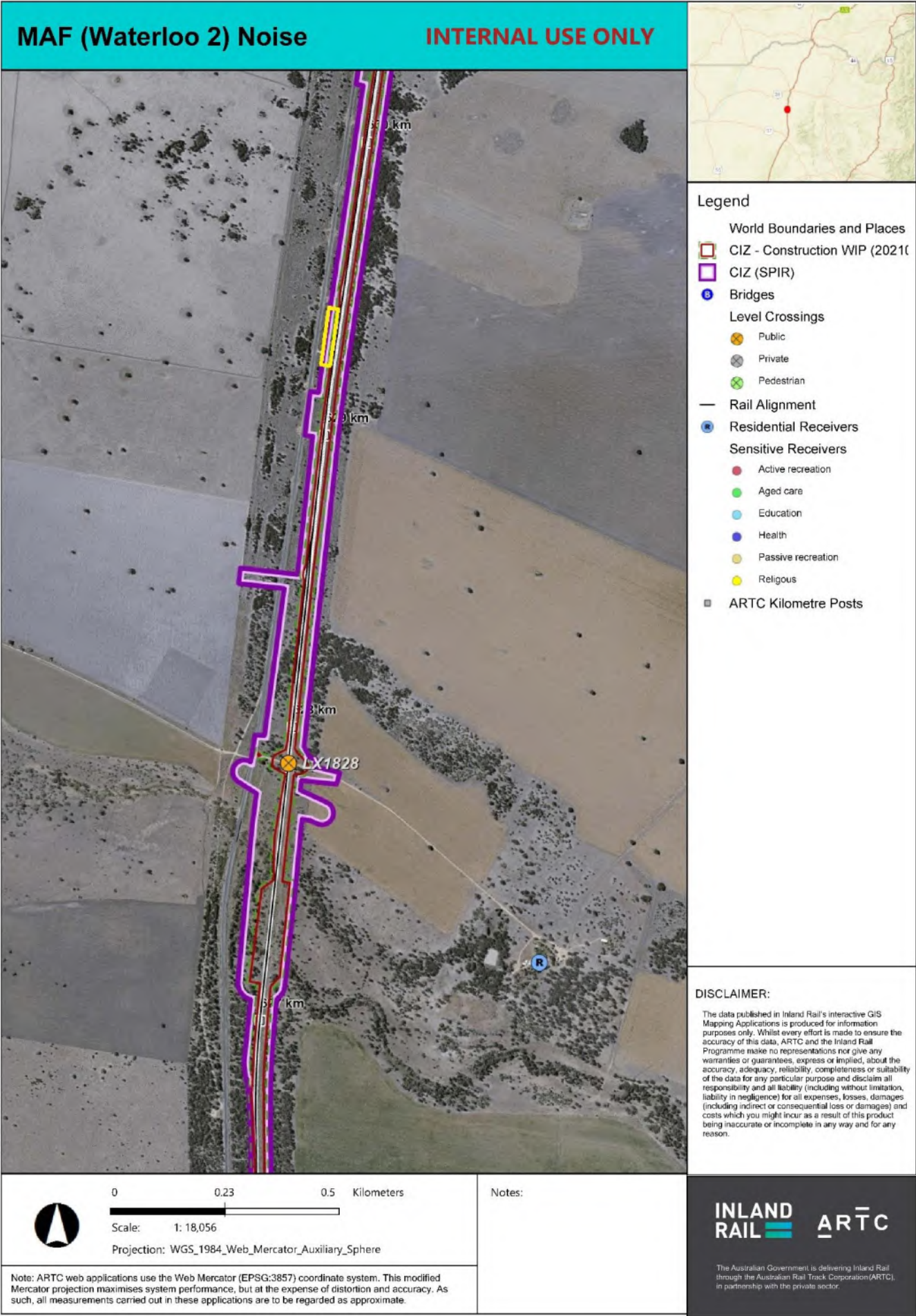
Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

Appendix A: Site Location (incl. Environmentally Sensitive Areas)









Note: ARTC web applications use the Web Mercator (EPSG:3857) coordinate system. This modified Mercator projection maximises system performance, but at the expense of distortion and accuracy. As such, all measurements carried out in these applications are to be regarded as approximate.



Appendix B: Site Location (Co-ordinates)

1	Lat: 29.79362° S Lon: 149.79098° E
2	Lat: 29.79364° S Lon: 149.79115° E
3	Lat: 29.79492° S Lon: 149.79077° E
4	Lat: 29.79493° S Lon: 149.79095° E

Appendix C: Road Occupancy Licence

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity: In Land Rail, Narrabri to North Star, Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greatersydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN CONTACT: road.access@transport.nsw.gov.au.
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 80 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
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Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
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SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/002**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
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SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/003****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

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LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
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Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
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Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) are located within the construction boundary; and
- (b) have been assessed by the ER to have –
 - i. low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and
 - ii. Low environmental impact with respect to waste management and flooding, and
 - iii. No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Woolabrar Ballast)
Location:	CH618.200 Bellata (Narrabri, NSW)
Chainage:	CH618.200 – CH618.550
Program*:	Construction: April 2022 Occupation: April 2022 – December 2022
Land Use:	RU1 – Primary Production (Source: Narrabri Shire Council LEP)
Footprint / Size:	< 26,400m ²
Use:	<p>Minor Ancillary Facility (Woolabrar Ballast) will be utilised for the following purposes:</p> <ul style="list-style-type: none"> ▪ Trailer based (mobile) site office, port-o-loo and generator. ▪ Carparking for site personnel. ▪ General Storage ▪ Top and bottom ballast stockpiles (20t at any one time).
Site Surroundings:	<p>Minor Ancillary Facility (Woolabrar Ballast) is surrounded by:</p> <ul style="list-style-type: none"> ▪ North: Rail Line, heavily vegetated area, and the Newell Highway. ▪ East: Rail Line, sparsely vegetated land, Newell HWY, and agricultural (cropping) land. ▪ South: Rail Line, culvert, access gate, and sparsely vegetated land. ▪ West: Rail line, private road, sparsely vegetated land. <p>Access to Minor Ancillary Facility (Woolabrar Ballast) will be provided via access gate 14 at LX550 on existing access track off Newell Highway.</p>

	Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.
Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing and screening will be installed. ▪ Unless specified in a TfNSW approval, anti-gawking screens will not be applied adjacent this MAF location. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Woolabrar Ballast).</p>

*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Woolabrar Ballast) occurs on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR) Construction Impact Zone and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>There are two sensitive (residential) receivers identified within 1km of the proposed MAF (Woolabrar Ballast) site.</p> <p>NNS_Rx0842 is 474.75 m north-west</p> <p>NNS_Rx0841 is 372.83 m south-west</p> <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (Woolabrar Ballast). One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – MAF Operation) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p>Scenario 1: MAF Site Operation (i.e. Truck >20tonne, front end loader).</p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - Sensitive receivers are located at the following locations: <ul style="list-style-type: none"> o NNS_Rx0841, located 372.83m south-west of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 45dB or 5 dB above the daytime NML for the Project. Refer to Appendix C.

Criteria	Compliant (Y) Yes (N) No	Comments
		<ul style="list-style-type: none"> ○ NNS_Rx0842, located 474.75m north-west of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 41dB or 1dB above the daytime NML for the Project. - The Noise Assessment identified that sensitive receivers, with line of sight, greater than 520m away will generally not be impacted (>NML (Daytime)) by bulk earthworks. - The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works. <p>Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Woolabrar Ballast).</p>
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Woolabrar Ballast) is not located within 50 m of any waterways or drainage lines.</p> <p>The proposed MAF (Woolabrar Ballast) lies outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately <20,000m² (~76%) of the proposed MAF (Woolabrar Ballast) site is mapped as:</p> <ul style="list-style-type: none"> - Zone-6- PCT-56 BVT186, NA 182-Poplar Box- Belah woodland on clay-loam soils on alluvial plains north-central NSW-Derived Native Grasslands. <p>Approximately <6,400 m² (~24%)</p> <ul style="list-style-type: none"> - Zone-5- PCT-56 BVT186, NA 182-Poplar Box- Belah woodland on clay-loam soils on alluvial plains north-central NSW. <p>All vegetation within the SPIR CIZ has been accounted for within the clearing limits detailed in CoA Table E1 and will be offset in accordance with ARTC's Biodiversity Offset Strategy.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Woolabrar Ballast) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Woolabrar Ballast) site.</p> <p><i>The Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1), dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</i></p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Safe access to Minor Ancillary Facility (Woolabrar Ballast) will be available south of the MAF (Woolabrar Ballast) site via access gate 14 at LX550.</p> <p>A Transport for NSW (TfNSW) approved Road Occupancy Licence (ROL) and Traffic Management Plan (TMP) is in place for the use of this access point from the Newell Highway. This ROL and TMP will be maintained whilst this access point is being utilised for the project. See appendix E.</p>

Criteria	Compliant (Y) Yes (N) No	Comments
		The Stage 1 Construction Traffic Management Sub Plan (TMP) has been prepared and approved by TfNSW. The TMP includes the upgrade of 10 Major and 18 Minor Construction Gates within Stage 1 in accordance with a TfNSW approved RoadNet Design. These construction gates will be used to access the MAFs within Stage 1.
Relatively flat land	Y	Minor Ancillary Facility (Woolabrar Ballast) is located on relatively flat land with <1m fall across the site.
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Woolabrar Ballast) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard ▪ Rubbish and debris ▪ Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Woolabrar Ballast) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	<p>Minor Ancillary Facility (Woolabrar Ballast) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.</p> <p>Anti-gawking screens will be applied where required by a TfNSW Approval.</p>

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Woolabrar Ballast) include:

- Disturbance of predicted Five-Clawed Worm-Skink habitat during site establishment;
- Dust and associated impacts to air quality resulting from access and use; and
- Noise impacts to surrounding sensitive receivers.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures


	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>Site inductions will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> • Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) • The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan • Waste Management • The mapped, native vegetation occurring within and adjacent the site and the significance of the TEC. • The No-Go Zones for the MAF, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, threatened species, etc. • Hours of operation. • General noise related mitigation measures. • Five Clawed Worm Skinks, including habitat location and all mitigation measures specified by DPIE & ARTC. 	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail Environmental Coordinators and reviewed by a CPESC throughout the site establishment phase.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	<p>Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means.</p> <p>Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).</p>	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	<p>In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented.</p> <p>Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately</p>	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
	notified of any unexpected finds. Other stakeholders (e.g. NSW EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.		
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	<p>Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> - Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. - Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). - Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. - Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). - Where practicable, soil binder will be used on highly trafficked areas. - Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 	Environmental Manager / Construction Supervisor	Construction
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.	All personnel	Construction
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers. Anti-gawking screens will be applied where required by a TfNSW Approval.	Environment Manager / Construction Supervisor	Construction
20)	<p>All personnel would be inducted on the subject of Five-clawed Worm-skinks (FCWS). Targeted FCWS surveys would be undertaken by Project Ecologist and/or Fauna Spotter-Cather team prior to and during slashing, clearing of woody vegetation and topsoil stripping activities within the following chainages, stage 1 chainage 603.000 to 625.000 and stage 3 chainage 735.000 to 754.250.</p> <p>The surveys would include active searches of microhabitats, including, carefully turning woody debris, rocks and artificial debris, raking the soil surface or leaf litter beneath trees and looking beneath peeling bark for reptiles or their sloughs, searching for animals during topsoil stripping (working closely with the grader operator).</p> <p>Targeted pre-clearing surveys would comprise a minimum of 1.5 person hours per hectare for habitats of average complexity per targeted species (scaled up or down depending on site complexity).</p> <p>Any FCWS captured would have the following data collected: GPS coordinates of capture/relocation site, measurements of snout-vent length, tail length and total length. Relocation site are to be as close to capture site as possible with suitable microhabitat. No more than 10 adults and 5 sub-adults or hatchlings per 100m² of suitable habitat may be relocated due to risk of overstocking.</p> <p>NOTE: Additional measures will be taken to avoid relocated individuals from re-entering the construction site i.e. sediment fence, etc.</p>	Environmental Manager/ Construction Supervisor	Construction

3. Certification


This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Maggie Wilton

Position: Trans4m Rail Enviro & Sustainability Admin Assistant

Date: 07/04/2022

Signed: 

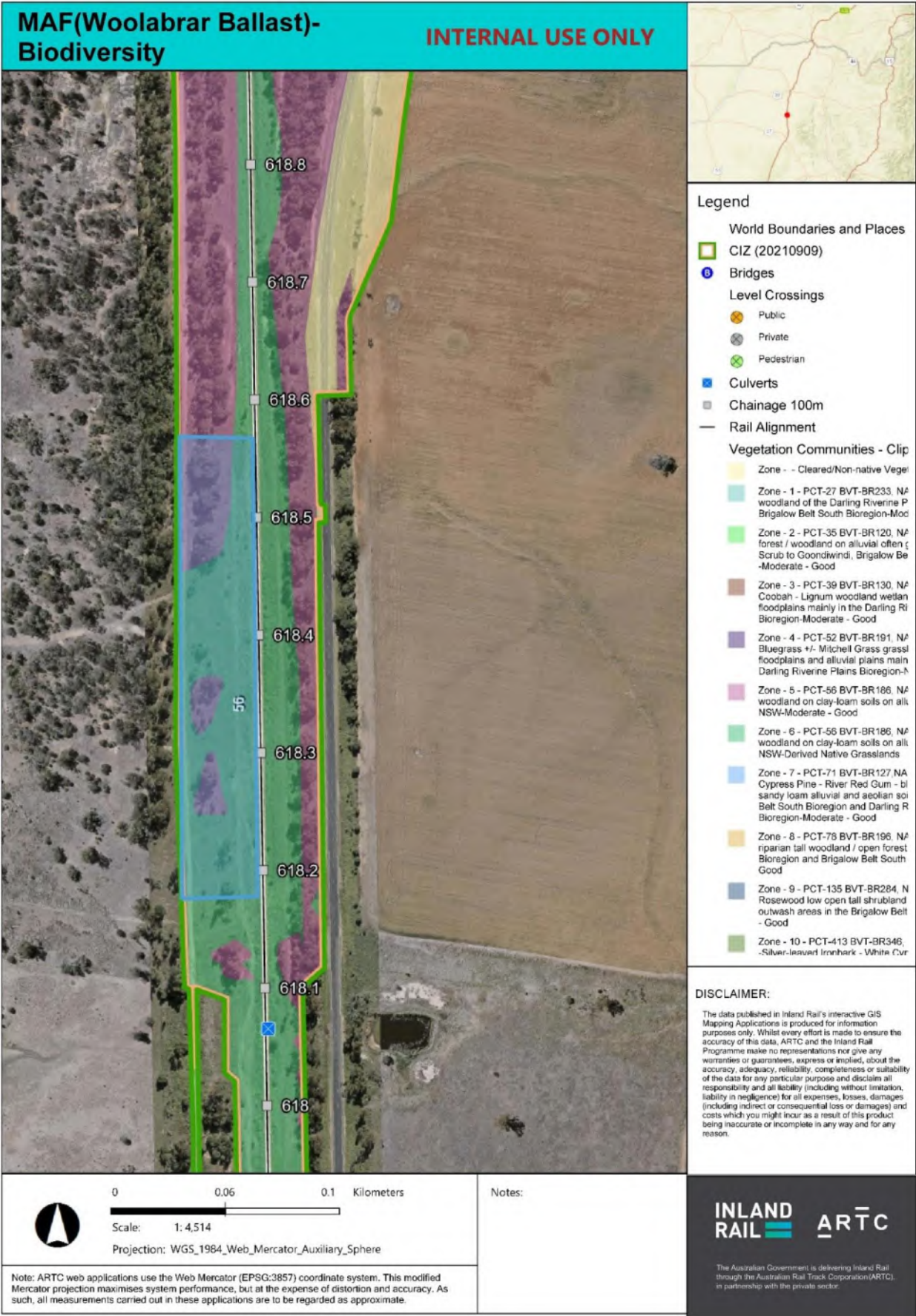
Name: Steve Fermio

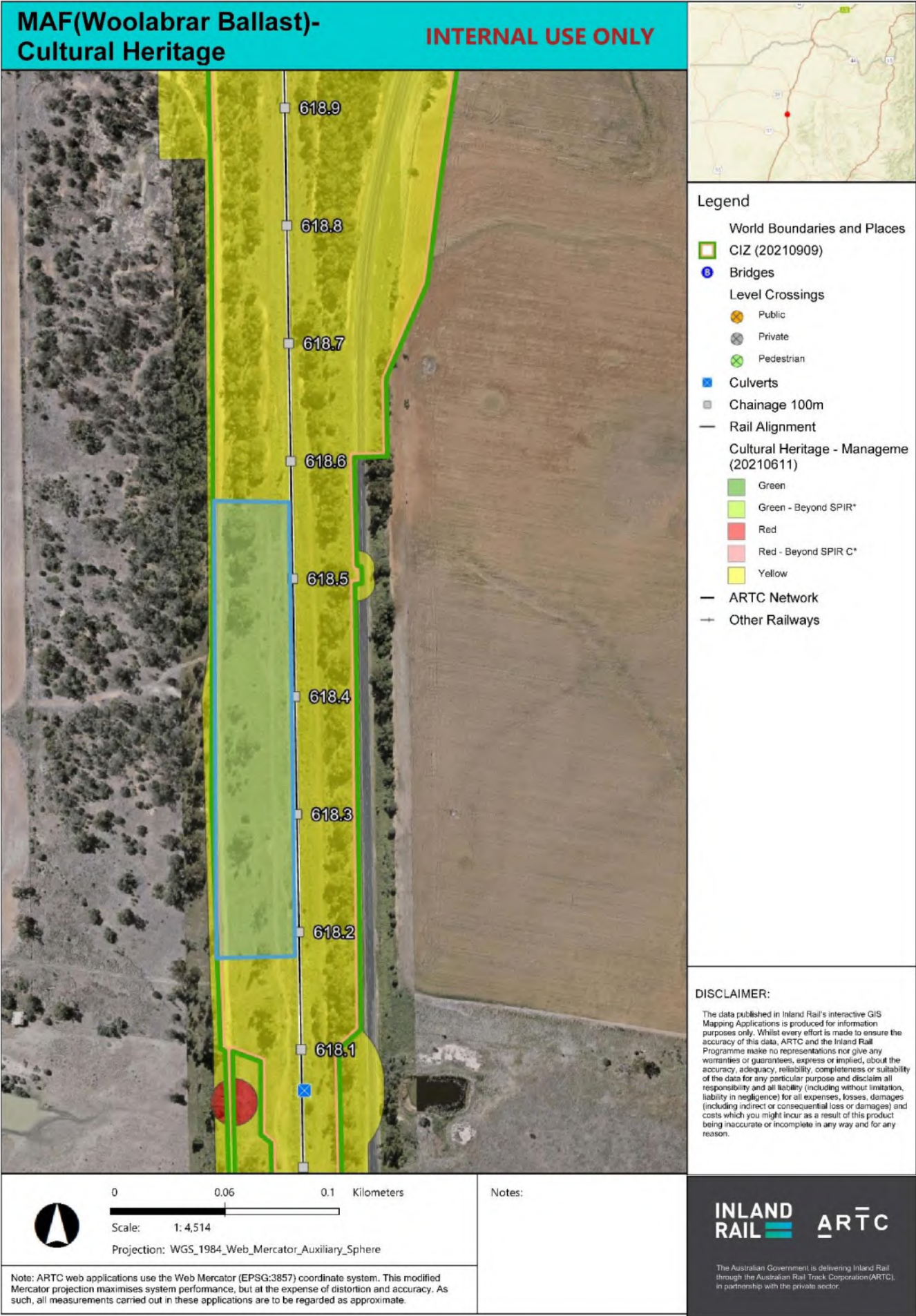
Position: Environmental Representative

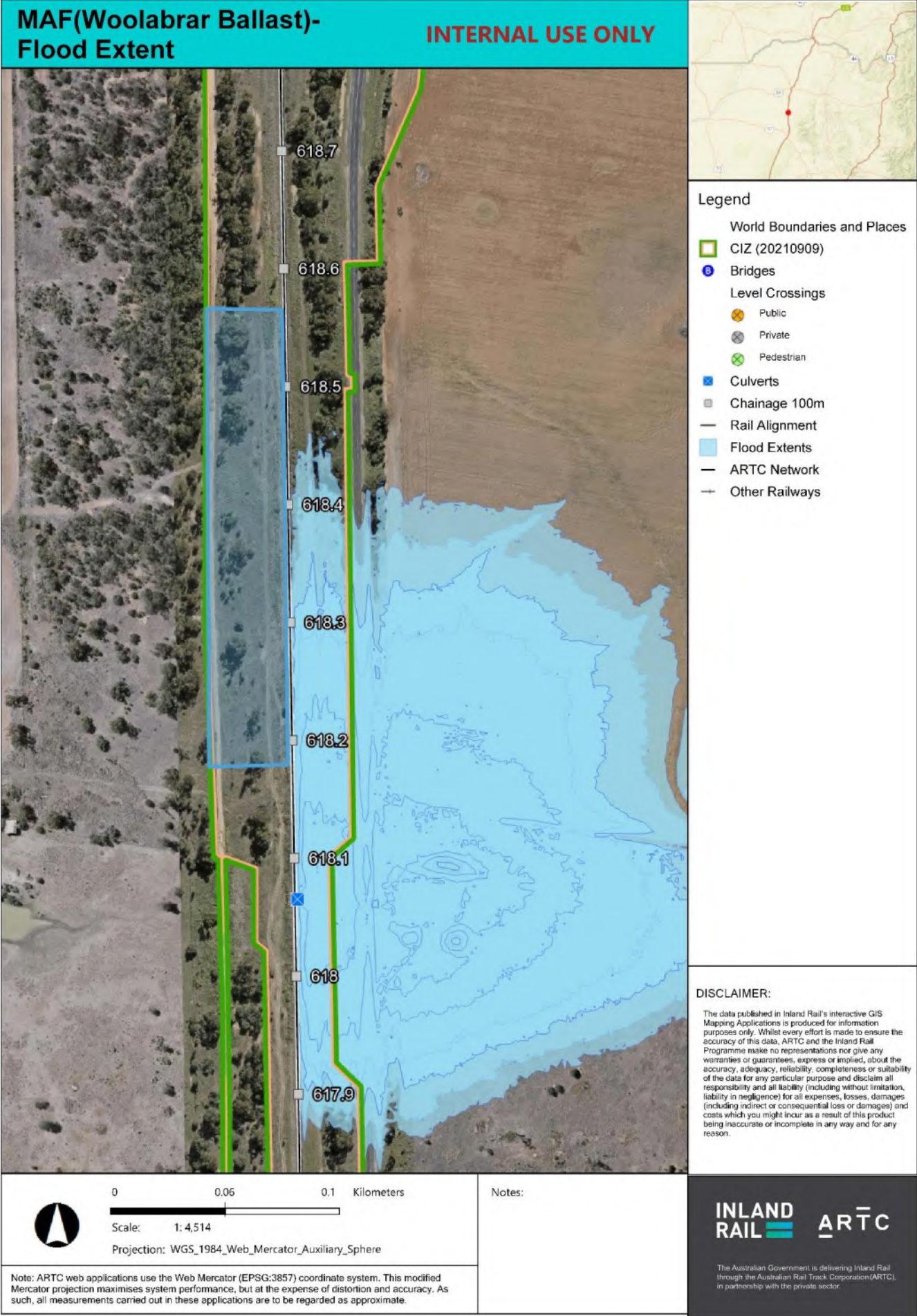
Date: 12/4/2022

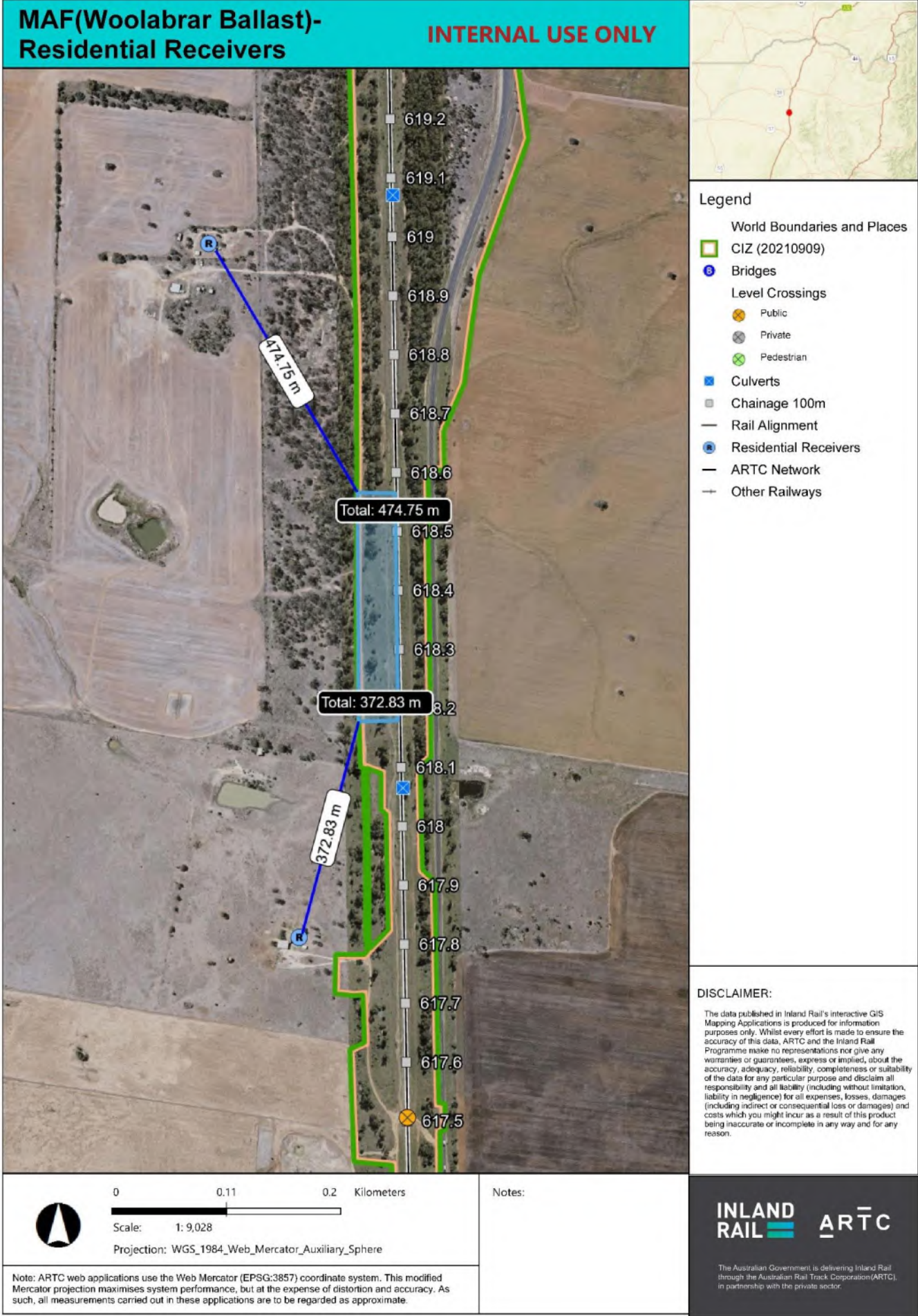
Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

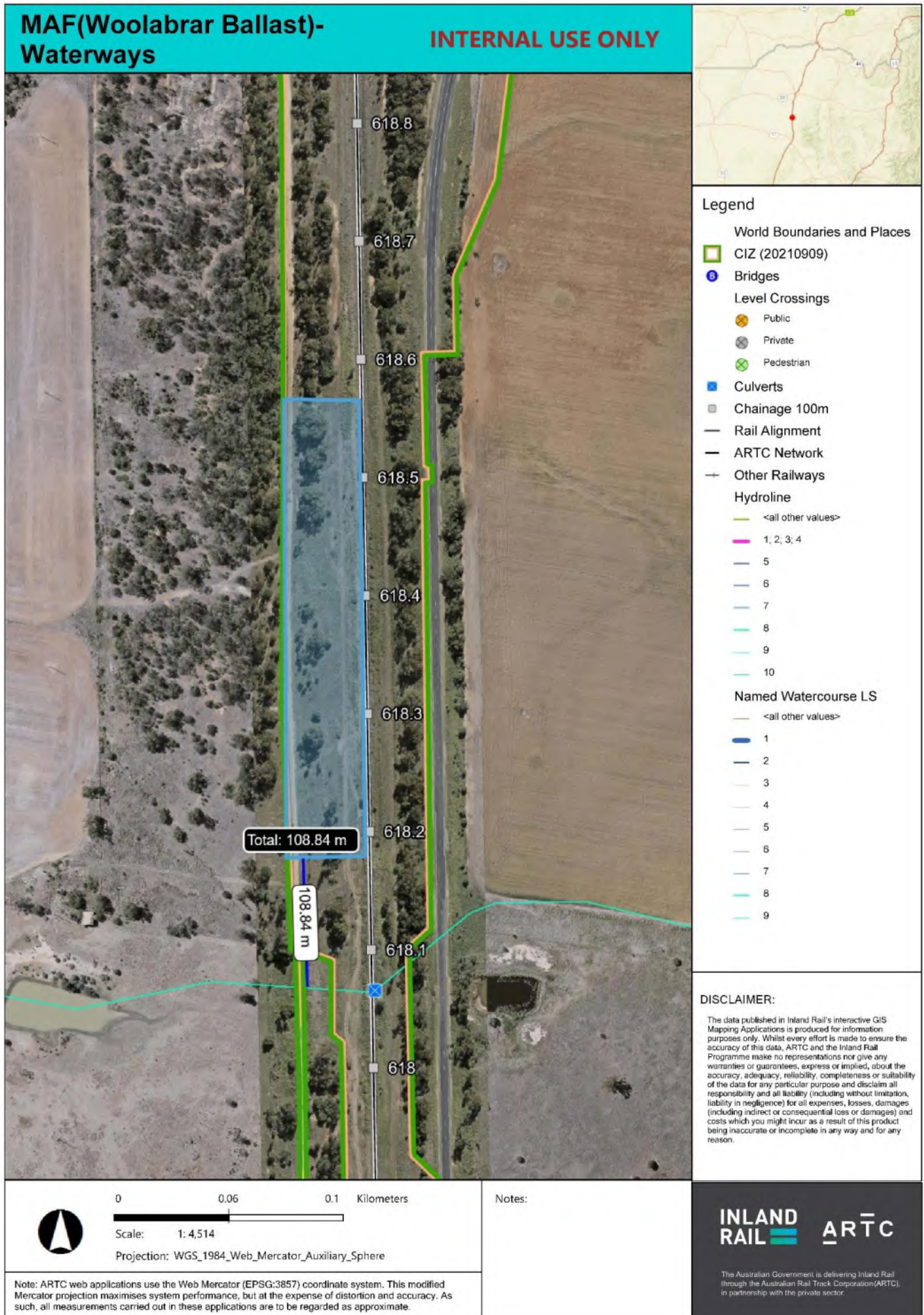
Appendix A: Site Location (incl. Environmentally Sensitive Areas)










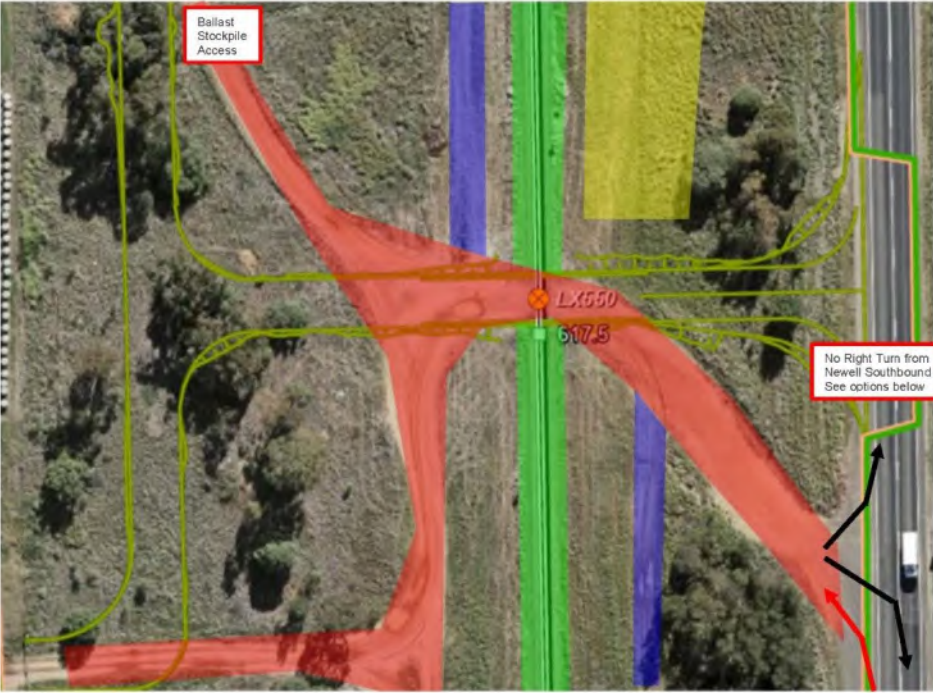



























Appendix B: Site Location (Co-ordinates)

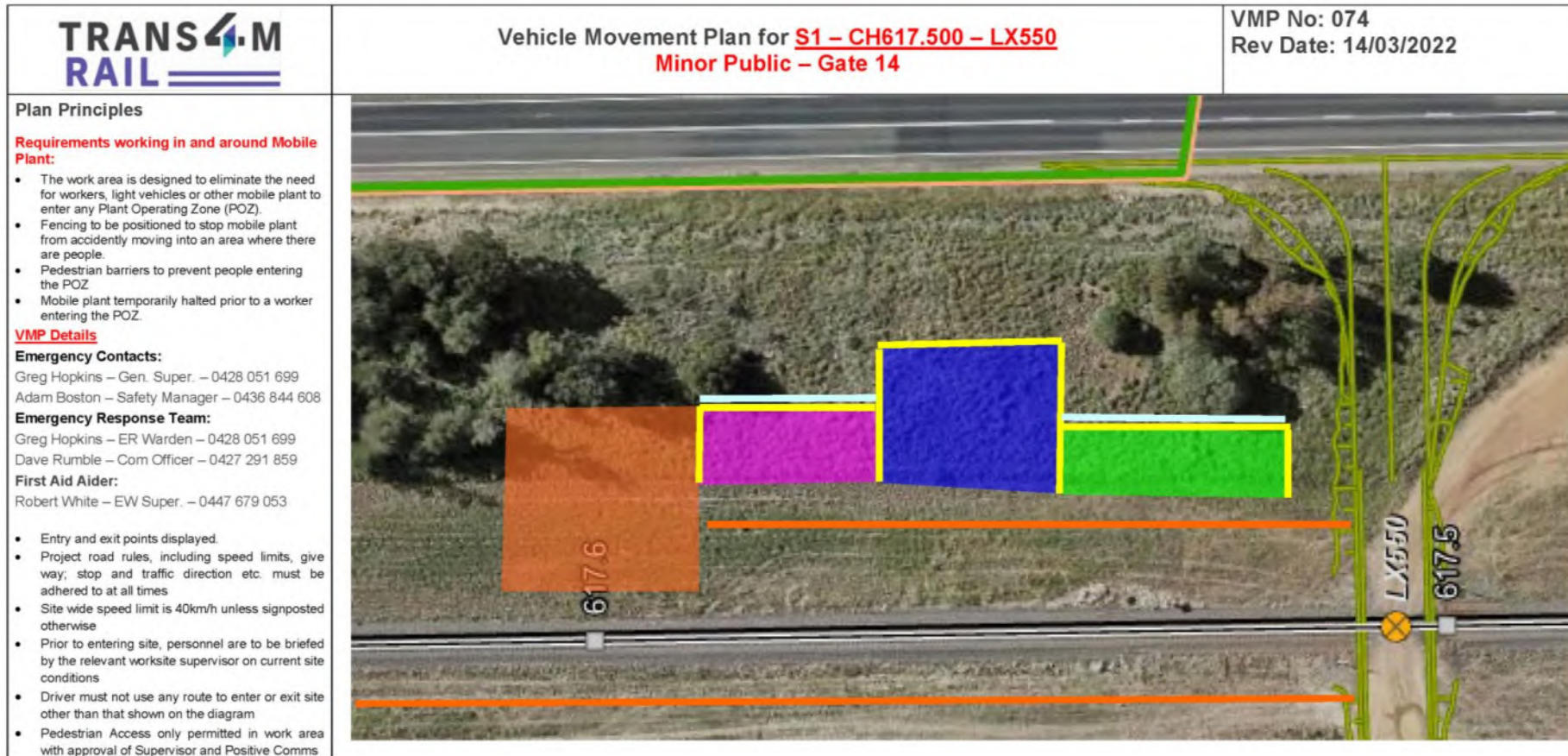
1	Lat: 29.89086° S Lon: 149.78926° E
2	Lat: 29.89092° S Lon: 149.78986° E
3	Lat: 29.89440° S Lon: 149.78926° E
4	Lat: 29.89437° S Lon: 149.78996° E











Appendix C: Noise Estimator









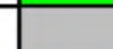

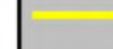
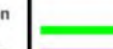
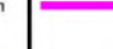






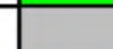

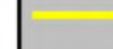
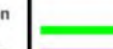
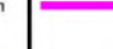






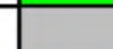

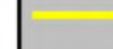
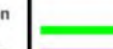
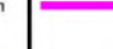






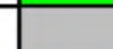

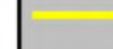
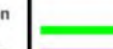
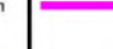






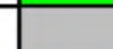

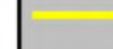
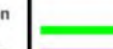
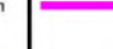






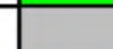

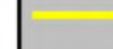
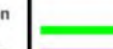
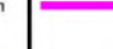
Appendix D: Vehicle Movement Plan

	Vehicle Movement Plan for <u>S1 – CH617.500 – LX550</u> Minor Public – Gate 14						VMP No: 074 Rev Date: 14/03/2022		
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ. Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times. Site wide speed limit is 40km/h unless signposted otherwise. Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions. Driver must not use any route to enter or exit site other than that shown on the diagram. Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms. 									
Legend									
	Local Road		Alignment Access		Main Alignment Works Zone		MAF	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	All Traffic IN		All Traffic OUT					<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added. Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

		Vehicle Movement Plan for <u>S1 – CH617.500 – LX550</u> Minor Public – Gate 14				VMP No: 074 Rev Date: 14/03/2022																					
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Legend <table border="1"> <tr> <td></td> <td>Public Access</td> <td></td> <td>Alignment Access</td> <td></td> <td>Main Alignment Works Zone</td> <td></td> <td></td> </tr> <tr> <td></td> <td>All Traffic IN</td> <td></td> <td>All Traffic OUT</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Public Access		Alignment Access		Main Alignment Works Zone				All Traffic IN		All Traffic OUT					<table border="1"> <tr> <td> Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel: </td> <td> Plan Date: 12/03/2022 Signature: </td> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> </tr> </table>						Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 12/03/2022 Signature:	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	
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Legend									
	Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance	Plan Date: 11/03/2022
								Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Signature:
	Lime Storage		Ballast		Delineation		Mixed Access	<ul style="list-style-type: none">VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls addedChanging conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed.VMP is Mandatory to all works areas and must be approved prior to works commencing.Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site.Pedestrian Access will be finalised on site.	
					Pedestrian Access		LV Access		
							Solid 2-Way Dash 1-Way		

	Vehicle Movement Plan for <u>S1 – CH617.500 – LX550</u> Minor Public – Gate 14		VMP No: 074 Rev Date: 14/03/2022																																																																		
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					Pedestrian Access		LV Access																																																														
							HV Access																																																														
							Solid 2-Way																																																														
							Dash 1-Way																																																														
<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 																																																																					

Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greaterSydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN. CONTACT: road.access@transport.nsw.gov.au.
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001
ROADS & MARITIME SERVICES (RMS)
Phone: Monday To Friday 8.30 AM - 4.30 PM

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION
SPEED LIMIT REDUCTION

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

SPEED LIMIT REDUCTION

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SA NO : 556329/002**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**
Transport
Roads & Maritime
Services

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift				To Shift				
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

Page 5 of 8

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SAZ NO : 556329/003
ROADS & MARITIME SERVICES (RMS)
Phone: Monday To Friday 8.30 AM - 4.30 PM

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION
SPEED LIMIT REDUCTION

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00

Minor Ancillary Facility Checklist

1. Criteria for Minor Ancillary Facilities

The Project's Conditions of Approval (CoA) allows for the establishment and operation of Minor Ancillary Facilities on the Narrabri to North Star (N2NS) Project. Condition A21 states:

CoA A21 Facilities including lunch sheds, office sheds, material lay down sites, stockpile areas, areas used to assemble infrastructure, and portable toilet facilities can be established and operated where they satisfy the following criteria:

- (a) *are located within the construction boundary; and*
- (b) *have been assessed by the ER to have –*
 - i. *low amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts and visual (including light) impacts, and*
 - ii. *Low environmental impact with respect to waste management and flooding, and*
 - iii. *No impacts on biodiversity, soil and water and heritage items beyond those already approved under the other terms of this approval.*

This Minor Ancillary Facility Checklist has been prepared to assess the proposed Minor Ancillary Facility against the requirements of CoA A21 and all other environmental requirements. Mitigation measures have also been provided to ensure that any environmental risks or impacts to the Community are suitably managed.

These facilities will be located in accordance with the criteria listed in Table 2 and submitted to the Project's Environmental Representative (ER) for approval prior to site works commencing.

Table 1: Minor Ancillary Facility – Site Description

Site Name:	Minor Ancillary Facility (Woolabrar Caravan)
Location:	Chainage 617.500 (Bellata, NSW)
Chainage:	CH617.500 – CH617.65
Program*:	Construction: March 2022 Occupation: March 2022 – March 2023
Land Use:	RU1 – Primary Production (Source: Narrabri Shire Council LEP)
Footprint / Size:	<6,200m ²
Use:	Minor Ancillary Facility (Woolabrar Caravan) will be utilised for the following purposes: <ul style="list-style-type: none"> Trailer based (mobile) site office, port-o-loo, and generator. Carparking for site personnel. General storage and laydown of construction equipment.
Site Surroundings:	Minor Ancillary Facility (Woolabrar Caravan) is surrounded by: <ul style="list-style-type: none"> North: Rail line, sparsely vegetated land, private storage dam, and ephemeral waterway. East: Newell Highway, agricultural (cropping) land, and sparsely vegetated land. South: LX550, rail line, and sparsely vegetated land. West: Rail Line, sparsely vegetated land, and agricultural (cropping) land. <p>Access to Minor Ancillary Facility (Woolabrar Caravan) will be provided via LX 550 at CH617.5</p> <p>Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.</p>

Site Establishment Process:	<p>The below sets out the scope of works for the proposed Minor Ancillary Facility:</p> <ul style="list-style-type: none"> ▪ The proposed footprint of the MAF will be demarcated in the field using hi-visibility flagging (or other approved method) and “No-Go Zone” signage. ▪ Topsoil will be stripped and utilised for erosion and sediment controls. The topsoil stockpiled / windrowed will be hand seeded. ▪ During topsoil stripping in the Five-clawed Worm-skink habitat, fauna spotter-catchers will be present, further mitigation methods are addressed below and in the BMP. ▪ Establishment of the site’s erosion and sediment controls will be progressively installed in accordance with the site’s Progressive Erosion and Sediment Control Plan. ▪ Mobilisation of site facilities: The trailer based (caravan-style) site office, port-o-loo and generator will be mobilised to site. ▪ The site compound will be assessed in the field for visual impact to neighbouring sensitive receivers. If the visual impact is deemed moderate or high, ATF style fencing or alternative screening will be installed. <p>NOTE: No bulk earthworks are required for the establishment of MAF (Woolabrar Caravan).</p>
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*NOTE: Subject to weather and unexpected site conditions

Table 2: Minor Ancillary Facility - Criteria

Criteria	Compliant (Y) Yes (N) No	Comments
Located within the construction boundary as defined by the approval (CoA A21(a)).	Y	<p>Minor Ancillary Facility (Woolabrar Caravan) is located on land that occurs within the Project’s Submission Preferred Infrastructure Report (SPIR), Construction Impact Zone (CIZ) and the CIZ – Construction WIP (20210909).</p> <p>Refer to Appendix A for the location.</p>
Compliance with the Interim Construction Noise Guideline (CoA A21(b)(i))	Y	<p>One sensitive (residential) receiver was identified within 1km of the proposed MAF (Woolabrar Caravan) site.</p> <ul style="list-style-type: none"> - 234.26m NNS_Rx0841 <p>The TfNSW Noise Estimator Tool was used to predict the anticipated noise impact associated with the establishment of the proposed MAF (Woolabrar Caravan). One (1) noise scenario was run representing worse possible case scenario (i.e. the most noise intensive activity – site establishment) NOTE: The noise assessment assumes all plant / equipment will be operating simultaneously and operating at the nearest boundary to the landholder. The scenario being:</p> <p><i>Scenario 1: MAF Site Establishment (i.e. grader, delivery truck and tracked excavator)</i></p> <p>The extracts from the noise model are provided in Appendix C.</p> <p>The findings of the noise assessment can be summarised by the following:</p> <ul style="list-style-type: none"> - Sensitive receivers are located at the following locations: <ul style="list-style-type: none"> o CH617.8 (NN3_Rx0841), located 234.26m North-West of the proposed MAF. This sensitive receiver is expected to experience noise impacts of 53dB, which is 13dB higher than the daytime NML for the Project. Refer to Appendix C. <p>The noise assessment also identified that no sensitive receivers will be highly noise impacted (>75dB) by the works.</p>

Criteria	Compliant (Y) Yes (N) No	Comments
		Prior to site establishment works commencing, all potentially impacted landholder/s will be consulted regarding potential noise impacts associated with the establishment and operation of MAF (Woolabrar Caravan).
At least 50m from watercourses and outside the 5% AEP flood zone (CoA A21(b)(ii))	Y	<p>The proposed MAF (Woolabrar Caravan) is located approximately 407m South of an unnamed ephemeral creek, 444m South-East of a private storage dam, and approximately 395m South of a private storage dam.</p> <p>The proposed MAF (Woolabrar Caravan) site is outside the area impacted by the existing 5% AEP local (blue highlighted in Appendix A).</p>
Not within areas identified as threatened communities or species habitats beyond those already approved under the terms of the project approval (CoA A21(b)(iii))	Y	<p>Approximately 1,720m (~28%) of the proposed MAF (Woolabrar Caravan) site is mapped as:</p> <ul style="list-style-type: none"> - Zone - 4 - PCT-52 BVT-BR191, NA187-Queensland Bluegrass +/- Mitchell Grass grassland on cracking clay floodplains and alluvial plains mainly the northern-eastern Darling Riverine Plains Bioregion- Native Grassland <p>Approximately 2,150m (~35%) of the proposed MAF (Woolabrar Caravan) site is mapped as:</p> <ul style="list-style-type: none"> - Zone - 5 - PCT-56 BVT-BR186, NA182-Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW <p>And approximately 2,330m (~37%) of the proposed MAF (Woolabrar Caravan) site is mapped as:</p> <ul style="list-style-type: none"> - Zone - 6 - PCT-56 BVT-BR186, NA182-Poplar Box - Belah woodland on clay-loam soils on alluvial plains of north-central NSW- Derived Native Grasslands <p>No mapped native vegetation (PCTs), Threatened Ecological Communities (NSW BC Act OR Cwth EPBC Act) or Threatened Flora will be directly impacted by the establishment and operation of the MAF.</p> <p>The proposed MAF occurs within predicted habitat of the threatened Five-clawed Worm Skink. The mitigation measures detailed by DPIE & ARTC will be implemented prior to and during site slashing and topsoil stripping activities.</p>
No significant impacts to utilities, primarily gas and electricity	Y	The establishment and operation of MAF (Woolabrar Caravan) will not result in significant impacts to existing gas, electrical, water or communications utilities.
Not on or near sites with known Aboriginal or non-Aboriginal heritage (CoA A21(b)(iii))	Y	<p>No areas or items of Aboriginal or non-Aboriginal significance have been identified within the area impacted by the proposed MAF (Woolabrar Caravan) site.</p> <p>The <i>Aboriginal Cultural Heritage Management Plan, Narrabri to North Star – Separable Portion 1 (N2NS SP1)</i>, dated 18th December 2020 has been reviewed and there are no areas or items that require further salvage or survey.</p>
Safe access to the road network and rail corridor and low impacts on traffic and access (CoA A21(b)(i))	Y	<p>Safe access to Minor Ancillary Facility (Woolabrar Caravan) will be provided via LX 550 at CH617.5</p> <p>Entry/Exit will be operated as per Vehicle Movement Plan in Appendix D, facilitated under TfNSW Road Occupancy Licence, detailed in Appendix E.</p>
Relatively flat land	Y	Minor Ancillary Facility (Woolabrar Caravan) is located on relatively flat land with <1m fall across the site.

Criteria	Compliant (Y) Yes (N) No	Comments
Low environmental impact with respect to waste management and flooding (CoA A21(b)(ii))	Y	<p>The establishment and operation of the proposed MAF (Woolabrar Caravan) will generate minor waste volumes. These waste streams will generally consist of the following:</p> <ul style="list-style-type: none"> ▪ Wastewater ▪ Wastepaper / cardboard ▪ Rubbish and debris ▪ Food waste <p>The volumes of waste generated will be reduced and reuse will be maximised by implementing the mitigation measures detailed in Section 2 below.</p> <p>Flooding risk has been addressed above.</p>
No impacts on biodiversity, soil and water, and heritage items beyond those already approved under SSI 7474 approval (CoA A21(b)(iii))	Y	The environmental impacts associated with the establishment and operation of Minor Ancillary Facility (Woolabrar Caravan) are considered minor and consistent with those impacts approved under SSI 7474.
Boundary screening around all facilities adjacent to and visible from sensitive receivers for the duration of use of the ancillary facility unless otherwise agreed with the relevant council and affected residents, business operators or landowners (COA A22)	Y	Minor Ancillary Facility (Woolabrar Caravan) will be assessed for visual impact from any surrounding sensitive receivers. Screening will be applied where the MAF site represents a moderate to high visual impact.

A locational map, environmental constraints and co-ordinates have been provided in Appendix A and B.

2. Mitigation Measures

Based on the site details and environmental constraints identified in Table 1 and Table 2 above, the key environmental risks associated with the establishment and operation of the Minor Ancillary Facility (Woolabrar Caravan) include:

- Disturbance of predicted Five-clawed Worm-skink habitat during site establishment.
- Dust and associated impacts to air quality resulting from access and use.
- Mud/Spoil tracked onto local roads or Newell HWY.

With the implementation of the mitigation measures detailed in Table 3 below, these impacts are considered to be minor and consistent with those impacts assessed and approved under CSSI 7474.

Table 3: Minor Ancillary Facility – Mitigation Measures

	Measure/Requirement	Responsibility	Timing/frequency
1)	<p>The Project induction will include the following specific components for biodiversity, noise, dust, surface water, erosion & sediment control management:</p> <ul style="list-style-type: none"> Awareness of General Environmental Duty and Duty to Notify, (legislative obligations) The requirement for erosion and sediment control devices to be implemented and maintained in accordance with the Erosion & Sediment Control Plan Waste Management The purpose of the No-Go Zones, incl. the significance of this control and the environmental constraints it's protecting i.e. mapped TEC, heritage, threatened species, etc. Hours of operation. General noise related mitigation measures. Five Clawed Worm Skinks, including habitat location and all mitigation measures specified by DPIE & ARTC. 	Environmental Manager	Pre-construction
2)	Progressive Erosion and Sediment Control Plans (PESCPs) will be developed by Trans4m Rail's CPESC and implemented prior to and during site establishment.	Environmental Manager	Pre-construction
3)	Controls must be in place to prevent tracking dirt and mud onto roads.	Construction Supervisor	Construction
4)	<p>Spoil, mud or the like spilt onto sealed roads to be removed within 24hrs or before end of shift (5pm AEDT if Newell HWY is affected) through use of a street sweeper or other means.</p> <p>Controls to minimise mud-tracking onto public roads will generally include rumble grids (i.e. similar to Pad 2), stabilised site access (i.e. rock, gravels, etc) or sheeting of the MAF with clean rock material (i.e. similar to Pad 4).</p>	Construction Supervisor	Construction
5)	Mobile plant and vehicles, including deliveries must use designated travel routes, site access routes, site access tracks and lay down areas.	Construction Supervisor	Construction
6)	Any activities requiring the discharge of construction water off site will be undertaken in accordance with the PESCP and the CSWMP.	All personnel / Environmental Manager	Construction
7)	Slashing limits (incl. vegetation to be retained) must be clearly identified and physically demarcated on-site. Slashing, clearing or other ground disturbance activities must not occur outside these areas unless otherwise approved in writing by the Environment Manager, or suitable delegate.	Construction Supervisor	Construction
8)	Groundcover to be re-established as soon as practicable to prevent erosion during construction.	Construction Supervisor	Construction
9)	<p>In the event that an area or item of heritage significance, threatened species, contaminated material or asbestos containing materials (ACM) are discovered or suspected on-site, then all works affecting the find must cease immediately, the area secured and relevant Trans4m Rail's Unexpected Finds Procedure / Protocol will be implemented.</p> <p>Trans4m Rail's Environmental Manager (or delegate), ARTC and the Project Environmental Representative must be immediately notified of any unexpected finds. Other stakeholders (e.g. NSW</p>	All personnel / Construction Supervisor	Construction

	Measure/Requirement	Responsibility	Timing/frequency
	EPA, OEH, DPIE, WaterNSW, Council, local landholders, etc) may also be notified depending on the nature and scale of the unexpected find.		
10)	Any spills or leaks of chemicals, fuels, oils, effluent or any other hazardous substance that occurs during site establishment must be managed and reported in accordance with Trans4m Rail's Environmental Incident Response and Reporting Procedure.	All personnel / Construction Supervisor	Construction
11)	Refuelling activities must always be closely supervised. Plant and equipment being refuelled must not be left unattended for any period of time.	All personnel / Construction Supervisor	Construction
12)	The land on which ancillary facilities, laydowns areas, access tracks and all other temporary works are located shall be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner.	Construction Supervisor	Construction
13)	<p>Weather forecast will be reviewed daily (via http://www.bom.gov.au/) and additional measures implemented where unfavourable weather conditions (i.e. hot, dry weather, high wind speed (>10m/s)) are anticipated. Measures to be implemented during unfavourable weather conditions may include a reduction of speed, a modified construction methodology, alternative plant and equipment, altering the scheduled works or program for the day, additional water carts or ceasing dust generating activities until conditions are more favourable.</p> <p>Dust will be monitored and managed in accordance with the mitigation measures detailed in Project's CSWMP.</p> <p>In addition to this, the following measures will be undertaken;</p> <ul style="list-style-type: none"> -Where practical, the MAF carpark and trafficked areas will be sheeted with clean rock / gravel material. -Increased training and surveillance of dust by key Project personnel (i.e. Superintendents, Supervisors, Operators etc). -Stockpiling and material handling will be avoided in MAFs adjacent the Newell Hwy. -Long term stockpiles (>1 month) will be compacted using an excavator bucket and soil binder applied (where practicable). -Where practicable, soil binder will be used on highly trafficked areas. -Material i.e. gravel, ballast, etc will be watered down prior to loading, handling and movement. 	Environmental Manager / Construction Supervisor	Construction
14)	<p>The following dust control measures will be utilised to suppress dust being generated from access roads, laydown areas, ancillary facilities and all other exposed surfaces; water application via watercarts and alternative means (i.e. sprinklers, hoses), sealing or stabilisation of highly trafficked areas, dust screens, application of geofabric or jute mat or the application of soil binding agents.</p> <p>The frequency of use will be modified depending on the prevailing wind and weather conditions.</p> <p><i>If dust impacts the Newell HWY at any stage, all works will cease until causation has been rectified.</i></p>	Construction Supervisor	Construction
15)	Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that emissions do not exceed EPA regulations. Periodic visual checks will be undertaken daily.	Construction Supervisor	Construction
16)	Waste will be segregated and collected on a regular basis to ensure odours associated with waste do not become an issue to	All personnel	Construction

	Measure/Requirement	Responsibility	Timing/ frequency
	surrounding sensitive receivers. All waste will be collected and disposed of at a licensed facility.		
17)	All works will be undertaken in accordance with the standard construction hours detailed in Condition of Approval E1.	Construction Supervisor	Construction
18)	Notification undertaken prior to and during construction would inform relevant stakeholders of the work locations and timing, and the potential for noise impacts.	Community Engagement Team	Construction
19)	Boundary screening will be erected if a site inspection determines that the MAF could significantly impact sensitive receivers.	Environment Manager / Construction Supervisor	Construction
20)	<p>All personnel would be inducted on the subject of Five-clawed Worm-skinks (FCWS). Targeted FCWS surveys would be undertaken by Project Ecologist and/or Fauna Spotter-Cather team prior to and during slashing, clearing of woody vegetation and topsoil stripping activities within the following chainages, stage 1 chainage 603.000 to 625.000.</p> <p>The surveys would include active searches of microhabitats, including, carefully turning woody debris, rocks and artificial debris, raking the soil surface or leaf litter beneath trees and looking beneath peeling bark for reptiles or their sloughs, searching for animals during topsoil stripping (working closely with the grader operator).</p> <p>Targeted pre-clearing surveys would comprise a minimum of 0.5 person hours per hectare for habitats of average complexity per targeted species (scaled up or down depending on site complexity).</p> <p>Any FCWS captured would have the following data collected: GPS coordinates of capture/relocation site, measurements of snout-vent length, tail length and total length. Relocation site are to be as close to capture site as possible with suitable microhabitat. No more than 10 adults and 5 sub-adults or hatchlings per 100m2 of suitable habitat may be relocated due to risk of overstocking.</p> <p>NOTE: Additional measures will be taken to avoid relocated individuals from re-entering the construction site i.e. sediment fence, etc.</p>	Environmental Manager/ Construction Supervisor	Construction.

3. Certification

This Minor Ancillary Facility Checklist provides a true and fair review of the proposed activity for the Inland Rail N2NS upgrade project.

Signed: 

Name: Kristian Hancock

Position: Trans4M Rail Senior Environment Advisor

Date: 28/03/2022



Signed:

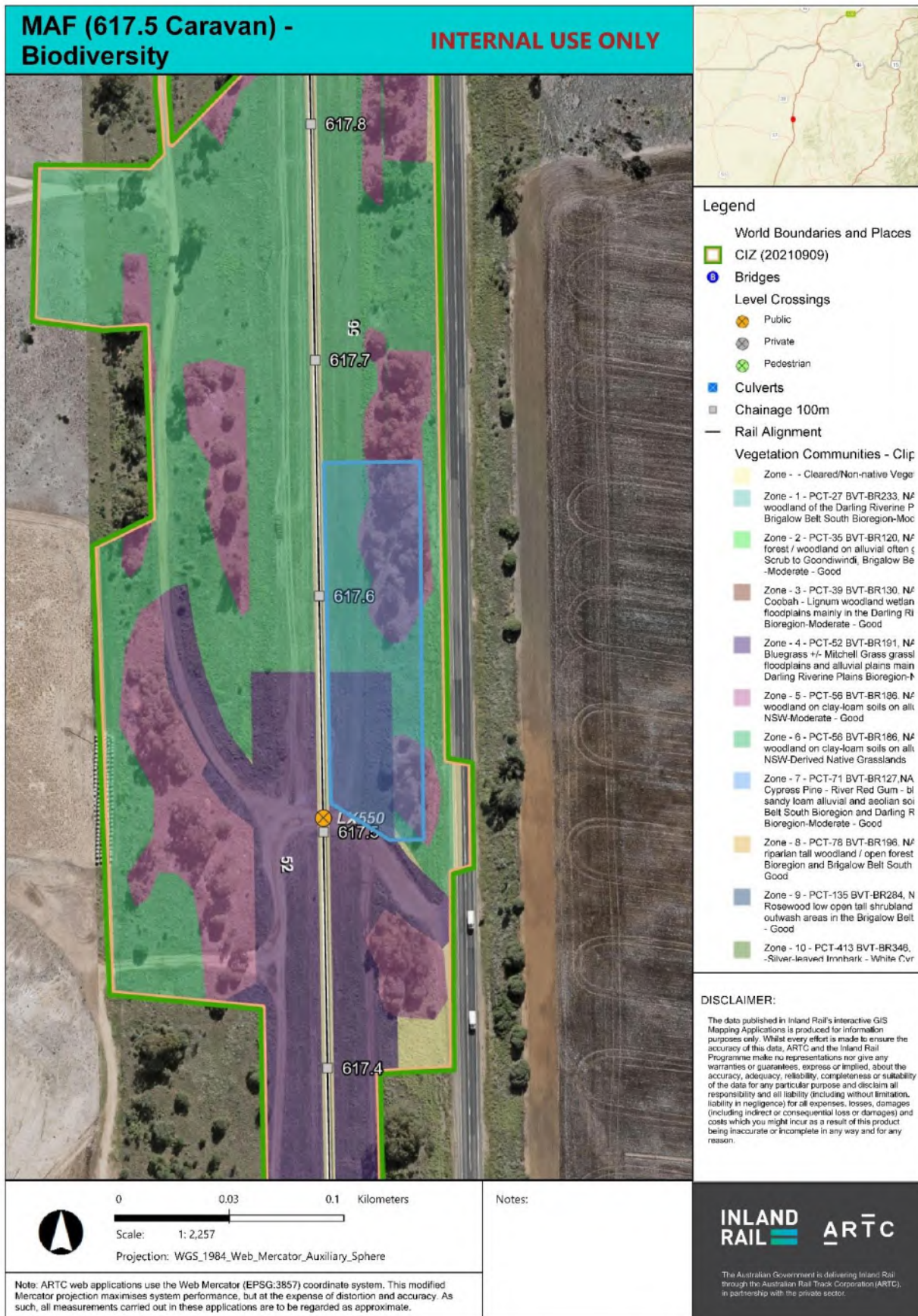
Name: Steve Fermio

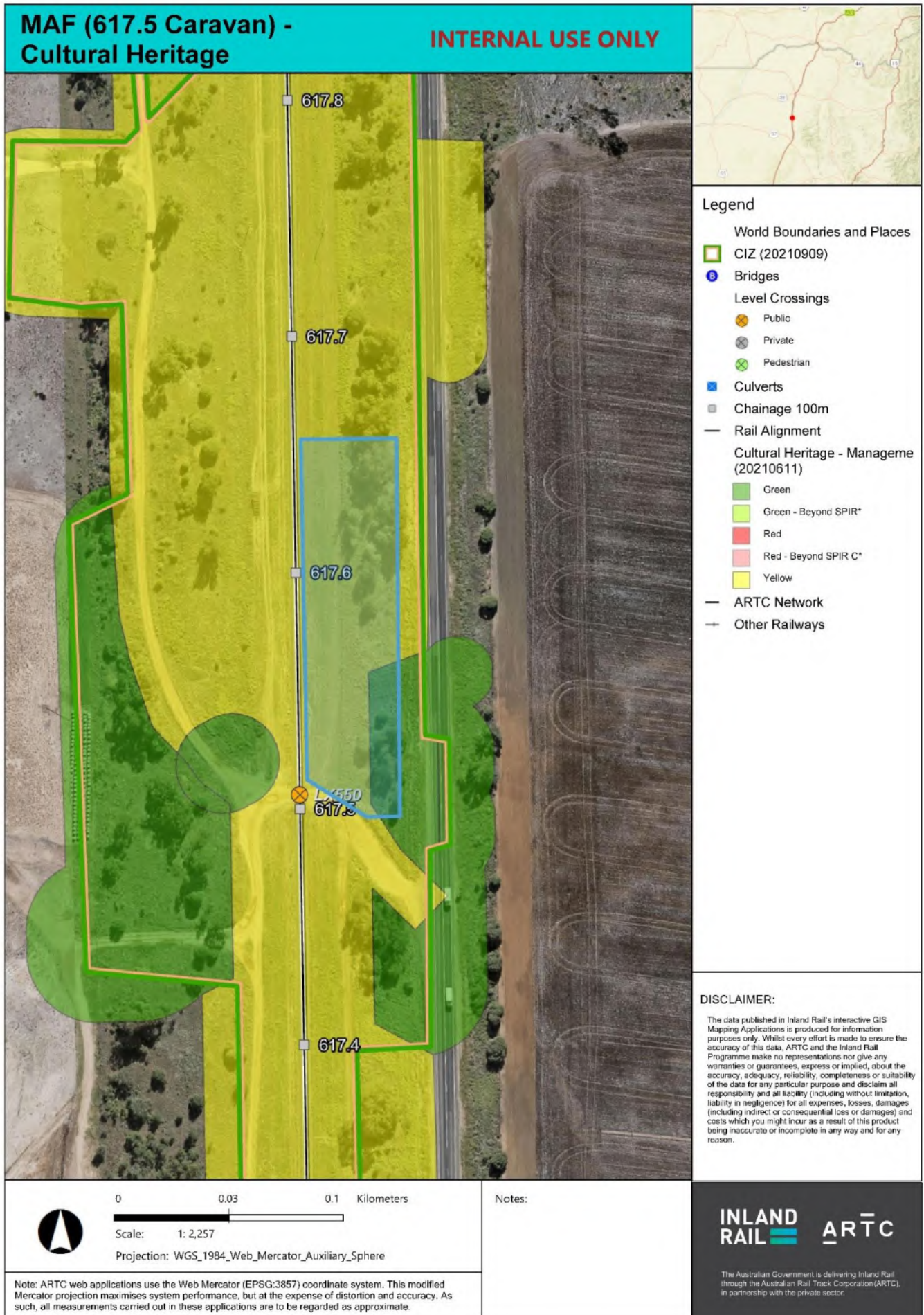
Position: Environmental Representative

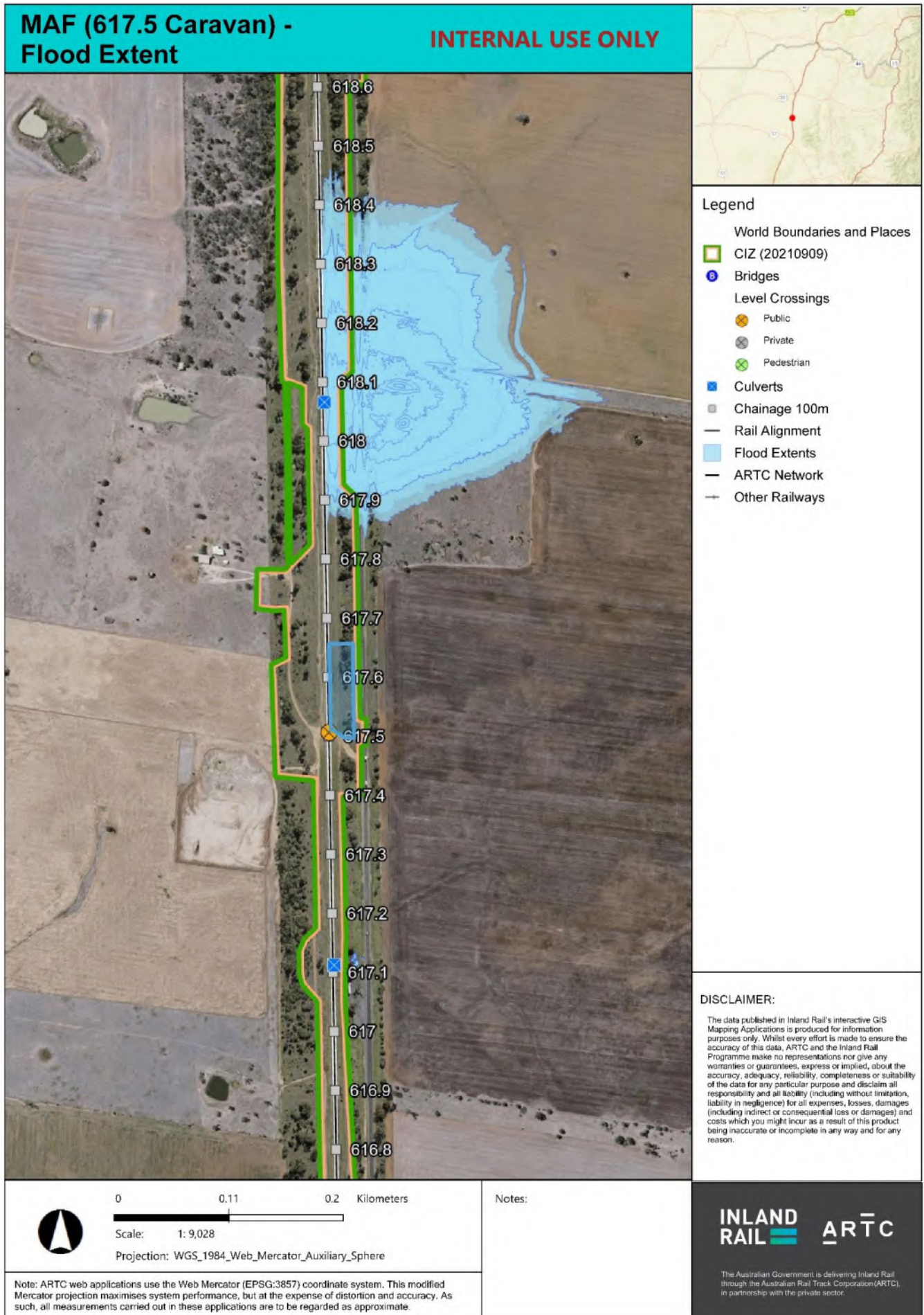
Date: 29 / 3 /2022

Note: This MAF approval does not constitute in any way an authorisation of the traffic control and entry / exit arrangements for light and heavy vehicles at this site. These are subject to separate approval by, and the requirements of, TfNSW (or Local Council) through the relevant Road Occupancy Licence/s, Speed Zone Authorisation/s, Traffic Management Plan or any other TfNSW or Local Council regulatory requirements.

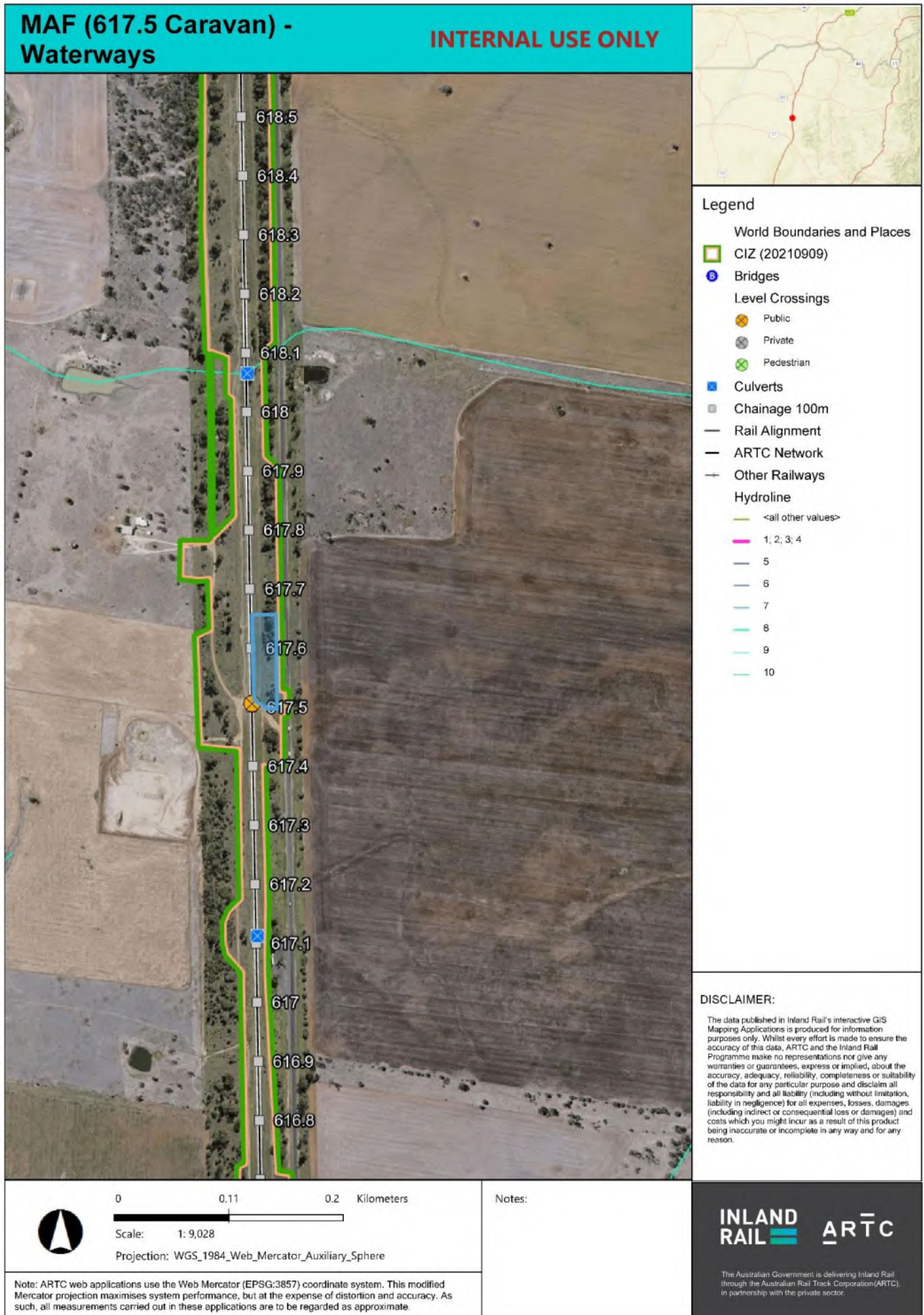
Appendix A: Site Location (incl. Environmentally Sensitive Areas)












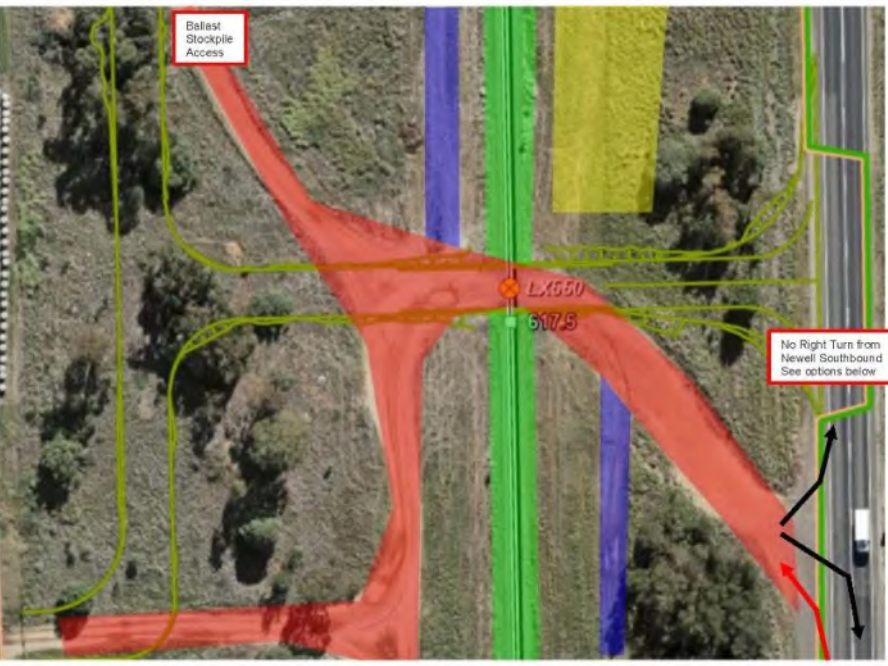


















Appendix B: Site Location (Co-ordinates)

Co-ordinates	
1	Lat: 29.8991° S Lon: 149.79013 ° E
2	Lat: 29.89911° S Lon: 149.79055° E
3	Lat: 29.90054° S Lon: 149.79057° E
4	Lat: 29.90040° S Lon: 149.79016° E

Appendix C: Noise Estimator

[illegible]

Appendix D: Vehicle Movement Plan




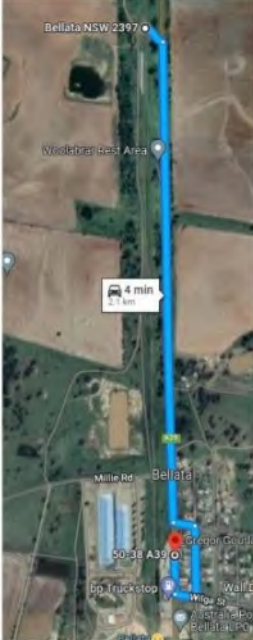















	Vehicle Movement Plan for <u>S1 – CH617.500 – LX550</u> Minor Public – Gate 14	VMP No: 074 Rev Date: 14/03/2022																
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts:</p> <p>Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team:</p> <p>Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider:</p> <p>Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 																		
<p>Legend</p> <table border="1"> <tr> <td></td> <td>Local Road</td> <td></td> <td>Alignment Access</td> <td></td> <td>Main Alignment Works Zone</td> <td></td> <td>MAF</td> </tr> <tr> <td></td> <td>All Traffic IN</td> <td></td> <td>All Traffic OUT</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Local Road		Alignment Access		Main Alignment Works Zone		MAF		All Traffic IN		All Traffic OUT					<p>Plan approval/acceptance</p> <p>Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530</p> <p>UHF Channel:</p>	<p>Plan Date: 11/03/2022</p> <p>Signature:</p> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site.
	Local Road		Alignment Access		Main Alignment Works Zone		MAF											
	All Traffic IN		All Traffic OUT															

Revision No: 0

Issue Date: 04/02/2022

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




		Vehicle Movement Plan for <u>S1 – CH617.500 – LX550</u> Minor Public – Gate 14		VMP No: 074 Rev Date: 14/03/2022																							
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		U-Turn at Bellata 																									
Legend <table border="1"> <tr> <td></td> <td>Public Access</td> <td></td> <td>Alignment Access</td> <td></td> <td>Main Alignment Works Zone</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>All Traffic IN</td> <td></td> <td>All Traffic OUT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							Public Access		Alignment Access		Main Alignment Works Zone							All Traffic IN		All Traffic OUT							
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<table border="1"> <tr> <td> Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel: </td> <td> Plan Date: 12/03/2022 Signature: </td> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. </td> </tr> </table>						Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 12/03/2022 Signature:	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 																			
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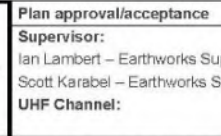
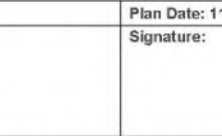
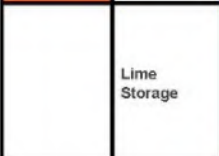

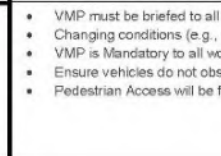
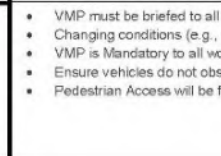
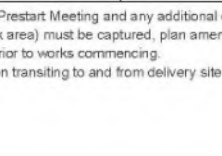
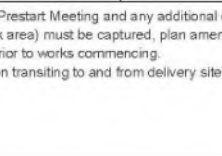
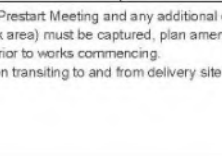
	Vehicle Movement Plan for <u>S1 – CH617.500 – LX550</u> Minor Public – Gate 14		VMP No: 074 Rev Date: 14/03/2022						
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts: Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team: Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider: Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way; stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 									
Legend									
	Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	Lime Storage		Ballast	 	Delineation Pedestrian Access	  	Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

Revision No: 0

Issue Date: 04/02/2022

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	Vehicle Movement Plan for <u>S1 – CH617.500 – LX550</u> Minor Public – Gate 14		VMP No: 074 Rev Date: 14/03/2022						
<p>Plan Principles</p> <p>Requirements working in and around Mobile Plant:</p> <ul style="list-style-type: none"> The work area is designed to eliminate the need for workers, light vehicles or other mobile plant to enter any Plant Operating Zone (POZ). Fencing to be positioned to stop mobile plant from accidentally moving into an area where there are people. Pedestrian barriers to prevent people entering the POZ Mobile plant temporarily halted prior to a worker entering the POZ. <p>VMP Details</p> <p>Emergency Contacts:</p> <p>Greg Hopkins – Gen. Super. – 0428 051 699 Adam Boston – Safety Manager – 0436 844 608</p> <p>Emergency Response Team:</p> <p>Greg Hopkins – ER Warden – 0428 051 699 Dave Rumble – Com Officer – 0427 291 859</p> <p>First Aid Aider:</p> <p>Robert White – EW Super. – 0447 679 053</p> <ul style="list-style-type: none"> Entry and exit points displayed. Project road rules, including speed limits, give way, stop and traffic direction etc. must be adhered to at all times Site wide speed limit is 40km/h unless signposted otherwise Prior to entering site, personnel are to be briefed by the relevant worksite supervisor on current site conditions Driver must not use any route to enter or exit site other than that shown on the diagram Pedestrian Access only permitted in work area with approval of Supervisor and Positive Comms 									
<p>Legend</p>									
	Materials Laydown		Crib Facilities		LV Carpark		HV Carpark	Plan approval/acceptance Supervisor: Ian Lambert – Earthworks Supervisor – 0427 276 643 Scott Karabel – Earthworks Supervisor – 0418 468 530 UHF Channel:	Plan Date: 11/03/2022 Signature:
	Lime Storage		Ballast	 	Delineation Pedestrian Access	  	Mixed Access LV Access HV Access Solid 2-Way Dash 1-Way	<ul style="list-style-type: none"> VMP must be briefed to all members of the work group at the Prestart Meeting and any additional controls added Changing conditions (e.g., new, or extra work group, new work area) must be captured, plan amended, and changes agreed. VMP is Mandatory to all works areas and must be approved prior to works commencing. Ensure vehicles do not obstruct highway or level crossing when transiting to and from delivery site. Pedestrian Access will be finalised on site. 	

Revision No: 0

Issue Date: 04/02/2022

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Appendix E: Road Occupancy Licence (ROL)

ROAD OCCUPANCY LICENCE

LICENCE NO : 556329

ROADS & MARITIME SERVICES (RMS)

Phone: Monday To Friday 8.30 AM - 4.30 PM



To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance, Light Vehicle Movements, Minor Heavy Vehicle Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works; Portable Signals; Short Term / Intermittent Works; Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- YOU MUST USE SHIFT ACTIVATION WEB ADDRESS <https://myrol.transport.nsw.gov.au> TO ACTIVATE AND DEACTIVATE YOUR APPROVED ROAD OCCUPANCY LICENCE(S). (TO CHANGE TRAFFIC CONTROL SIGNALS TO FLASHING YELLOW OR TO ACTIVATE PERMANENT VARIABLE MESSAGE SIGNS DIAL 1800 679 782)
- THIS LICENCE IS NOT AN APPROVAL OF THE PROPONENT'S TRAFFIC GUIDANCE SCHEMES (TGS). PLEASE NOTE WORKCOVER REQUIRES THAT TRAFFIC GUIDANCE SCHEMES (TGS) COMPLY WITH AS1742.3
- ALL MATTERS RELATING TO NOISE GENERATION OR OTHER ENVIRONMENTAL FACTORS ON SITE ARE UNDER THE JURISDICTION OF THE LOCAL COUNCIL AND/OR THE ENVIRONMENTAL PROTECTION AUTHORITY.
- SHOULD THE PROPOSED WORKS INVOLVE UNDERBORING OR EXCAVATION OF STATE ROAD ASSETS OR THE REMOVAL OF KERB AND GUTTER, DETAILS OF WORKS MUST BE APPROVED BY TfNSW. FOR GREATER SYDNEY REGION CONTACT: greaterSydneyroads@transport.nsw.gov.au. FOR REGIONAL & OUTER METROPOLITAN. CONTACT: road.access@transport.nsw.gov.au.
- NOTIFICATION TO AFFECTED BUSINESSES, RESIDENTS AND OTHER STAKEHOLDERS MUST BE UNDERTAKEN AT LEAST 5 BUSINESS DAYS PRIOR TO WORKS COMMENCING
- ADEQUATE ADVANCE WARNING MUST BE PROVIDED TO APPROACHING MOTORISTS.
- EFFECTIVE MONITORING OF END-OF-QUEUE CONDITION MUST BE IMPLEMENTED. IF QUEUING CONTRARY TO CONDITIONS OF THIS LICENCE OCCURS, THEN THE ROAD MUST BE RE-OPENED AND TRAFFIC QUEUE MUST BE CLEARED.
- THE 40SZA IS TO BE USED ONLY WHEN TRAFFIC CONTROL MEASURES HAVE BEEN IMPLEMENTED AND ROAD WORKS ARE IN PROGRESS. 40KM/H ZONE SHOULD NOT EXCEED 500 METRES IN LENGTH.
- ANY STOPPAGES OF TRAFFIC RESULTING FROM ACTIVITIES IN THIS LICENCE MUST NOT EXCEED 5 MINUTES PER INSTANCE OR EXCEED 500 METRES IN LENGTH. ALL TRAFFIC QUEUES MUST BE CLEARED AND TRAFFIC RETURNED TO FREE FLOWING CONDITION BETWEEN STOPPAGES.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	22	Mar	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

ROAD OCCUPANCY LICENCE**LICENCE NO : 556329****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION

Project: Not Applicable
This Activity : In Land Rail, Narrabri to North Star, Newell Highway Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council: NARRABRI

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

TRAFFIC MANAGEMENT

Flow Management: Contra Flow; Standard Lane Merge; Mobile Works;
 Portable Signals; Short Term / Intermittent Works;
 Stop / Slow Control
Closure Type: All lanes both directions
Closure Lane(s): Shoulder; Median Shoulder
Direction(s): All Directions

LICENCE DURATION

From: 21-Mar-2022
To: 20-Apr-2022

LICENCE CONDITIONS

- 10 PORTABLE TRAFFIC SIGNALS MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND APPROVED FOR USE BY TfNSW. INSTALLATION OF PORTABLE TRAFFIC SIGNALS MUST COMPLY WITH THE TRAFFIC CONTROL AT WORKSITES MANUAL. TRAFFIC QUEUES MUST BE MONITORED AND MANAGED.
- 11 LANE WIDTHS MUST BE SUFFICIENT TO PERMIT CLEAR ACCESS FOR HEAVY VEHICLES.
- 12 MOBILE WORKS MUST COMPLY WITH AUSTRALIAN STANDARDS 1742.3 AND TfNSW's TRAFFIC CONTROL AT WORK SITES MANUAL. MOBILE WORKS MUST GIVE PRIORITY TO PLANNED SITE-SPECIFIC ROL APPROVALS.

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

All pages of this Road Occupancy Licence and associated Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001
ROADS & MARITIME SERVICES (RMS)
Phone: Monday To Friday 8.30 AM - 4.30 PM

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION
SPEED LIMIT REDUCTION

Project: Not Applicable **Existing:** 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 80 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit* is to be reinstated at the completion of each of the approved time periods as detailed herein.

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/001**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 80 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/002****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 60 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 2000
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

	From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time	
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00	
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00	
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00	
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00	
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00	
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00	
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00	
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00	
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00	
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00	
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00	
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00	
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00	
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00	
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00	
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00	
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00	
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00	
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00	
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00	
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00	
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00	

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/002**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 60 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION**TRAFFIC MANAGEMENT**

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

Distance(m): 2000
Direction: All Directions

LICENSEE**ONSITE CONTACT**

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

SPEED ZONE AUTHORISATION**LIC/SZA NO : 556329/003****ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

To activate and deactivate your approved work shift(s) on your Road Occupancy Licence, please visit: myrol.transport.nsw.gov.au. This licence is for the occupation of the road space only. If you are unable to access myrol.transport.nsw.gov.au, please call TMC on 1800 679 782. For further assistance, please refer to the proponent's user manual here: myrol.transport.nsw.gov.au/help.pdf

DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION**

Project: Not Applicable
Existing: 110 Km/h
This Activity : In Land Rail. Narrabri to North Star. Newell Highway Reduced To : 40 Km/h
 Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
 Light Vehicle Movements, Minor Heavy Vehicle
 Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE

Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift			
From	D	M	Time	-	To	D	M	Time
Mon	21	Mar	00:00	-	Tue	19	Apr	00:00
Tue	22	Mar	00:00	-	Wed	23	Mar	00:00
Wed	23	Mar	00:00	-	Thu	24	Mar	00:00
Thu	24	Mar	00:00	-	Fri	25	Mar	00:00
Fri	25	Mar	00:00	-	Sat	26	Mar	00:00
Sat	26	Mar	00:00	-	Sun	27	Mar	00:00
Sun	27	Mar	00:00	-	Mon	28	Mar	00:00
Mon	28	Mar	00:00	-	Tue	29	Mar	00:00
Tue	29	Mar	00:00	-	Wed	30	Mar	00:00
Wed	30	Mar	00:00	-	Thu	31	Mar	00:00
Thu	31	Mar	00:00	-	Fri	01	Apr	00:00
Fri	01	Apr	00:00	-	Sat	02	Apr	00:00
Sat	02	Apr	00:00	-	Sun	03	Apr	00:00
Sun	03	Apr	00:00	-	Mon	04	Apr	00:00
Mon	04	Apr	00:00	-	Tue	05	Apr	00:00
Tue	05	Apr	00:00	-	Wed	06	Apr	00:00
Wed	06	Apr	00:00	-	Thu	07	Apr	00:00
Thu	07	Apr	00:00	-	Fri	08	Apr	00:00
Fri	08	Apr	00:00	-	Sat	09	Apr	00:00
Sat	09	Apr	00:00	-	Sun	10	Apr	00:00
Sun	10	Apr	00:00	-	Mon	11	Apr	00:00
Mon	11	Apr	00:00	-	Tue	12	Apr	00:00

All pages of this Speed Zone Authorisation(s) must be available on site at all times and must be produced for inspection when requested by representatives of NSW Police, Roads & Maritimes Services, Transport for NSW and other Government Agencies.

SPEED ZONE AUTHORISATION

LIC/SZA NO : 556329/003**ROADS & MARITIME SERVICES (RMS)****Phone: Monday To Friday 8.30 AM - 4.30 PM**

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DEVELOPMENT - NEW CONSTRUCTION**SPEED LIMIT REDUCTION****Project:** Not Applicable**Existing:** 110 Km/h

This Activity : In Land Rail. Narrabri to North Star. Newell Highway **Reduced To :** 40 Km/h
Section from Narrabri to Gurley.

Work Description: Survey, Vegetation maintenance,
Light Vehicle Movements, Minor Heavy Vehicle
Movements <20

This Speed limit is ONLY to be applied during the approved time periods listed. Signs are to be covered or removed outside the approved time periods. The Organisation is to maintain accurate records of when the speed limit signs were installed and removed, including the location of the signs, the date and times. The existing posted speed limit is to be reinstated at the completion of each of the approved time periods as detailed herein.*

LOCATION

Subject Road: NEWELL HWY
From: WEE WAA RD, NARRABRI
To: KANIMBLA RD, GURLEY
Council:

TRAFFIC MANAGEMENT

Distance(m): 500
Direction: All Directions

LICENSEE


Organisation: Trans4m Rail Joint Venture
Ref No:
Name: Luke McGoldrick
Phone: 0413777563

ONSITE CONTACT

Name: Luke McGoldrick
Phone: 0413777563

APPROVED DATES & TIMES

From Shift					To Shift				
From	D	M	Time	-	To	D	M	Time	
Tue	12	Apr	00:00	-	Wed	13	Apr	00:00	
Wed	13	Apr	00:00	-	Thu	14	Apr	00:00	
Thu	14	Apr	00:00	-	Fri	15	Apr	00:00	
Fri	15	Apr	00:00	-	Sat	16	Apr	00:00	
Sat	16	Apr	00:00	-	Sun	17	Apr	00:00	
Sun	17	Apr	00:00	-	Mon	18	Apr	00:00	
Mon	18	Apr	00:00	-	Tue	19	Apr	00:00	
Tue	19	Apr	00:00	-	Wed	20	Apr	00:00	

	NARRABRI TO NORTH STAR	Application No:	OOHW-0017
	OOHW Application Form (High Risk Activities)	Date:	24/03/2022

OUT OF HOURS WORKS (OOHW) - APPLICATION SUMMARY

High Risk Activities Out of Hours approval NOT required for the following:

CoA E1 - Works must be undertaken during the following hours:

- a) 7:00 am to 6:00 pm Mondays to Fridays;
- b) 7:00 am to 6:00 pm Saturdays; and
- at no time on Sundays or public holidays.

OR

CoA E2 - Notwithstanding Condition E1, works affecting any given receiver may be undertaken during the hours of 6.00 am to 6.00 pm each day over a three (3) month period provided that there is no work between the hours of 6:00 pm on a Saturday and 7:00 am on a Monday every second week.

OR

CoA E3 (a) – (f)

Notwithstanding Conditions E1 and E2, works associated with the CSSI may be undertaken outside the hours specified under those conditions in the following circumstances:

- a) for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or
- b) where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm; or
- c) where different construction hours are permitted under an EPL in force in respect of the CSSI; or
- d) work approved under an Out-of-Hours Work Protocol for work not subject to an EPL as required by Condition E8;
- e) where a negotiated agreement is in force, in accordance with Condition E4 and E5; or
- f) construction that causes LAeq(15 minute) noise levels:
 - i. no more than 5 dB(A) above the rating background level at the façade of any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009) or if between the hours of 10:00 pm and 7:00 am no more than 52 dB(A)LA(max) or more than 15 dB(A)LA(Max) above the rating background level whichever is the higher, and
 - ii. no more than the noise management levels specified in Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses, and
 - iii. continuous or impulsive vibration values, measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.2 of Assessing Vibration: a technical guideline (DEC, 2006), and
 - iv. intermittent vibration values measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.4 of Assessing Vibration: a technical guideline (DEC, 2006).

OR

Works considered low risk in accordance with Attachment C.

SCOPE OF OOHW - SUMMARY

Application 017 - Stage 1, 2B & 3 High Risk Locations (Sundays & Public Holidays Apr - Jun 2022)

The N2NS Conditions of Approval (CoA E1) states that construction activities must be undertaken during the following hours:

- (a) 7:00am – 6:00pm Mondays to Fridays;
- (b) 7:00am – 6:00pm Saturdays; and
- (c) At no time on Sundays or public holidays.

The Project's CoA and EPL allows for works to be undertaken outside of these hours providing the Out of Hours Protocol detailed in the Project's Construction Noise and Vibration Management Sub-Plan is followed, the necessary consultation has occurred, and the relevant approvals obtained. To date; construction works on the N2NS Project have been undertaken on Sundays under the Ministerial Order - [*Environmental Planning and Assessment \(COVID-19 Development – Infrastructure Construction Work Days No. 2\) Order 2020*](#). To assess these works and notify any potentially impacted receivers a rapid assessment process has been developed and implemented whilst the Ministerial Order is in place. On the 25 March 2021, the NSW Government extended the prescribed period for the temporary planning measure until 31 March 2022. Following the discontinuation of this Ministerial Order (post 31 March 2022), a suite of Out of Hours Works (OOHW) applications have been developed to allow construction

works on the N2NS Project to continue on Sundays and Public Holidays from the 1 April – 30 June 2022. These applications include:

- *Application 014 - Stage 3 Low Risk Approval - Sunday & PH OOHW (Apr - Jun 2022)*
- *Application 015 - Stage 1 Low Risk Approval - Sunday & PH OOHW (Apr - Jun 2022)*
- *Application 017 - Stage 1, 2B & Stage 3 High Risk Locations (Sundays & Public Holidays Apr - Jun 2022) – this document.*

Applications 014 and 015 allow low risk works (i.e. those ≤ 5 dB over the RBL) to occur in Stages 3 and 1, respectively. To achieve this, a 800m buffer has been applied around all sensitive receivers in Stage 1 and 3, with works currently excluded within these buffers. The noise modelling demonstrates that the noisiest construction activity, under worst case conditions, is equal to or less than 5dB over the RBL and therefore compliant with CoA E3(f) and EPL Condition L6.3.

This application has been prepared to assess and approve construction activities within these buffer areas on Sundays and Public Holidays providing the necessary consultation has occurred and the relevant approvals obtained.

The justification to continue to undertake works on Sundays and Public Holidays is to maintain the N2NS Contract Program as agreed between ARTC and T4MR and to shorten the delivery length of the project.

The proposed Sunday (and Public Holidays) works within Stage 1, Stage 2B and Stage 3 includes the following:

Earthworks:	<p>Scope Includes:</p> <ul style="list-style-type: none"> - Mainline bulk earthworks, including clearing and grubbing, topsoil stripping, excavation of existing material, foundation treatment, material placement and lime stabilisation works. - Import, hauling and placement of material along the alignment, as required. - Stockpiling material, as required. - Lime Stabilisation of embankment material. - Batter Trimming, drain excavation and finishing works including landscaping. <p>Plant / Machinery - Pulveriser, grader, dozer, watercart, rollers, excavators, various trucks, skid steer, drill seed tractor, hammer attachments, pulveriser attachments, generators, blower trailers and power tools.</p>
Drainage:	<p>Scope Includes:</p> <p>Site Establishment and Earthworks - Demolition of culverts & pipes, access tracks, topsoil stripping, foundation treatments, lime stabilisation, installation & excavation of scour rock & culvert backfill.</p> <p>Installation drainage elements includes:</p> <ul style="list-style-type: none"> - Form Reo Pour (FRP) works for Base slabs, Cut-off walls & Aprons - General crange; unloading & loading of materials and culvert elements - Installation & associated joining of precast segments for RCBC, 4SBC & Wingwalls - Installation of connection plates, handrails, etc. - Excavation & Installation of subsoil pipes & pits including backfilling <p>Plant / Machinery - Pulveriser, grader, rollers, excavators, mobile cranes, various trucks, concrete pump, skid steer, generators and power tools.</p>
Structures:	<p>Scope Includes:</p> <p>Bridge Demolition – Oxy-cutting steel to strip out old rail, installation of temp handrails, crane removal of old bridge girders, Demolish existing concrete structures/pile/abutments, earthworks.</p> <ul style="list-style-type: none"> - Plant – Trucks, Crane, Oxy-cutter, Power tools, pumps, EWP, Excavator with rock breaker/concrete crusher <p>Bridge works including break back of piles, cutting liners, form/reo/pour of concrete/mortar, joint sealing, stressing works Handrail/walkway installation, landing precast concrete, concrete patching and crange of general materials.</p> <ul style="list-style-type: none"> - Tool / machinery include - Electric power tools, Gurney trailer, Concrete pump, Concrete trucks, Generator, Cranes and EWP.

	<p>Bridge earthworks including access road maintenance, abutment excavation / backfill, scour rock installation, removal of crane / piling pads.</p> <ul style="list-style-type: none"> - Plant / Machinery includes – excavators / pozi-track, moxy / Trucks, watercart and rollers / compaction equipment.
Rail:	<p>Scope Includes:</p> <ul style="list-style-type: none"> - Sleeper and rail distribution. Equipment - Loaders, Flat bed Semis and Float trucks - Sleeper Lay. Equipment - Loaders, Hi-Rail Excavators, Track Excavators and Octopus. - Rail Lay. Equipment – Loaders and Hi-Rail Excavators. - Mobile Flashbutt Welding. Equipment - Hi-Rail Excavator, Track Excavator, Mobile Flashbutt Welder and Rail Saw. - Top Ballast Loading and Unloading. Equipment - Loaders, Triple Side Tippers and Ballast Train. - Tamping. Equipment - Tamping Machine, Regulator and Dynamic Track Stabiliser. - Turnout Construction. Equipment - Loaders, Hi-Rail Excavators, Track Excavators, Flatbed trucks, Rail Saw and Aluminothermic Welding. - Destress. Equipment - Loaders, Hi-Rail Excavators, Track Excavators, Flatbed trucks, Rail Saw and Aluminothermic Welding. - Signage. Equipment - Concrete trucks, Hi-Rail Excavators and Track Excavators.
Signalling:	<p>Scope Includes:</p> <ul style="list-style-type: none"> - Installation of the combined services route, including trenching and pit and service installation. - Installation of signalling huts. - Installation of lights and other above-ground signalling components. <p>Plant / Machinery includes – Excavators / trencher, Trucks, Watercart, Rollers/compaction equipment.</p>
Level Crossings:	<p>Scope Includes:</p> <ul style="list-style-type: none"> - Installation of drainage elements, including reinforced concrete pipes, subsoil drains and RCBC. - Earthworks and pavements, including foundation treatment, fill placement and new road pavements. - Removal and installation of level crossing components - Signage, rail panels, boom gates and kerb stones. <p>Plant / Machinery - Pulveriser, grader, rollers, excavators, mobile crane, various trucks, concrete pump, skid steer, generators and power tools</p>
Pavements	<p>Scope Includes:</p> <ul style="list-style-type: none"> - Import, haul and stockpile ballast to dedicated stockpile areas on-site - Import, haul and place capping material along the formation and roads as required. - Load, haul and place ballast material along the formation using a ballast paver <p>Plant/Machinery – Road Trains, various trucks, front-end loader, excavators, rollers, pavers, watercarts, graders, plate compactors, power tools.</p>

Due to the proximity of these works to sensitive receivers within Stage 1, 2b and 3, the TfNSW Noise Estimator has been used to estimate the anticipated noise impact. The details of this assessment are provided in the Sections below.

This approval permits works within the following chainages:

Sensitive Receiver Location (Chainage)	Approved Work Chainages
Stage 1	
CH575.2	CH574.800 – CH576.400
CH575.7	
CH575.9	
CH577.8	CH577.300 – CH579.800

CH577.9		
CH578.4		
CH578.8		
CH578.9		
CH579.2		
CH586.5	CH586.000 – CH587.000	
CH590.4	CH589.800 – CH591.000	
Edgeroi (CH593.400 – CH593.800)	CH592.600 – CH594.700	
CH594.3		
CH596.1	CH595.500 – CH596.800	
CH598.5	CH598.000 – CH599.400	
CH598.8		
CH600.7	CH600.200 – CH601.200	
CH613.1	CH612.300 – CH613.900	
Bellata (CH615.100 – CH616.400)	CH614.300 – CH619.600	
CH617.8		
CH619.0		
CH621.6	CH620.800 – CH622.400	
Stage 2B		
CH643.100	CH641.000 – CH646.000	
CH644.100		
CH646.900		
Stage 3		
CH686.400 (Roydon Road)	CH685.600 – CH687.200	
CH706.800 (County Boundary Road)	CH706.000 – CH707.600	
CH717.500 (Crooble Road)	CH716.800 – CH718.200	
CH728.900	CH728.200 – CH729.600	
CH733.400 – CH734.100 Township of Croppa Creek.	CH732.600 – CH734.900	
CH737.300	CH736.600 – CH738.000	
CH750.000	CH749.500 – CH750.500	
CH755.200	CH754.600 – CH755.800	
CH758.200 – CH759.000 Township of North Star	CH757.600 – CH760.600	

PROPOSED LOCATION OF OOHW	MAP ATTACHED
The proposed works will be undertaken on all Sundays and gazetted Public Holidays (7am – 6pm) from the 1 April – 30 June 2022, within the chainages detailed above.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
PROPOSED DATE (S) OF OOHW	NOISE / VIBRATION MANAGEMENT LEVEL
The proposed works will be undertaken on all Sundays and gazetted Public Holidays (7am – 6pm) from the 1 April – 30 June 2022, within the chainages detailed above.	35dB (Daytime OOHW NML) Vibration - N/A (Not Triggered), due to proximity.
PROPOSED OOHW DURATION	PROPOSED TIME(S) FOR OOHW
Proposed OOHW are: <input type="checkbox"/> < 2 nights <input type="checkbox"/> < 1 week <input type="checkbox"/> < 2 weeks <input type="checkbox"/> Up to 1 month <input checked="" type="checkbox"/> Up to 3 months <input type="checkbox"/> Up to 6 months <input type="checkbox"/> > 6 months	Proposed OOHW is (<i>tick all that apply</i>): <input type="checkbox"/> 6:00pm to 10:00pm (Monday to Saturday) <input type="checkbox"/> 10:00pm to 7:00am (Monday to Saturday) <input checked="" type="checkbox"/> Sunday(s) or Public Holiday(s) - Anytime Other: _____
OOHW ASSESSMENT	
Distance to nearest Sensitive Receiver (s)	60m
<u>No. of potentially impacted receivers</u> Residential: Refer to Attachment A for the list of impacted residential receivers. Other (List): Refer to Attachment A for the list of impact other sensitive receivers.	
NOISE LEVEL ASSESSMENT – SUMMARY (Attachment A)	
<p>The TfNSW Noise Estimator has been used to predict the worst-case noise scenario (i.e. all plant operating at the boundary closest to the receiver and assuming all plant has an unrestricted line of sight with the sensitive receiver). Due to the plant and equipment used, the loudest construction activity has been determined to be main alignment bulk earthworks. This noise assessment includes the following:</p> <p>Main alignment bulk earthworks, consisting of the following plant / equipment.</p> <ul style="list-style-type: none"> - 1 x Grader - 1 x Roller - 1 x Light vehicle <p>The noise assessment has been undertaken for all sensitive receivers within Stage 1, 2B and 3 and the results of this noise assessment is found in Attachment A.</p>	

<p>Whilst project vehicles are on public roads, the noise impact is assessed under the Road Noise Policy, which states that a 60% increase in traffic movements represents a noise increase of 2dB. Traffic movements during the proposed OOHW are not expected to increase traffic movements by >60%. Regardless, additional mitigation measures have been included to manage the noise impact associated with project vehicles accessing site, whilst on public roads.</p>		
<p>VIBRATION LEVEL ASSESSMENT – SUMMARY (Attachment B)</p>		
<p>N/A – As the closest sensitive receiver is located >60m away, a vibration assessment is not triggered (minimum working distances (triggering monitoring) is 10m for sound structures and 20m for unsound structures).</p>		
<p>RISK ASSESSMENT – SUMMARY (Attachment C)</p>		
<p>The proposed works have been risk assessed to be “Low (Daytime 2) – High (Daytime 3)” with consultation and mitigation to be undertaken in accordance with Attachment C and Section 10.5 of the Project’s CNVMP. Refer to Attachment A for individual risk ratings.</p>		
<p>COMMUNITY & STAKEHOLDER CONSULTATION REQUIREMENTS (Attachment D)</p>		
<p>As part of the Inland Rail Narrabri to North Star Phase 1 Project, Trans4m Rail is seeking negotiated agreement in accordance with the Environment Protection Licence (EPL) No. 21494. This negotiated agreement would allow for works to be undertaken outside standard construction hours permitted under L6.4 and in accordance with L6.5.</p> <p>Trans4m Rail will reach a negotiated agreement with sensitive receivers (owners and occupiers) to carry out works in accordance with the hours and noise limits specified in the negotiated agreements.</p>		
<p>MITIGATION MEASURES</p>		
<ul style="list-style-type: none"> - Consultation with potentially impacted receivers will be undertaken in accordance with Section 10.5 of the Project’s Construction Noise and Vibration Management Sub-Plan. - The mitigation measures detailed in Project’s Construction Noise and Vibration Management Sub-Plan will be applied to reduce the noise impacted to those sensitive receivers detailed Attachment A. 		
<p>Are the proposed OOHW considered “Low Risk” (Attachment C)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, use the “Low Risk Application Form”.</p>		
<p>Sleep Disturbance Assessment (for OOHW of more than 2 consecutive nights)</p> <p>N/A – the OOHW will not be undertaken over >2 consecutive nights, so a sleep disturbance assessment is not required.</p>		
<p>Potential additional impacts from OOHW – other than noise and vibration (Please select)</p>		
<input checked="" type="checkbox"/> Traffic / detours <input checked="" type="checkbox"/> Dust <input type="checkbox"/> Lighting	<input type="checkbox"/> Property Access restrictions <input checked="" type="checkbox"/> Heavy vehicle haulage	<input checked="" type="checkbox"/> Deliveries to site <input checked="" type="checkbox"/> Vehicle reversing activities <input checked="" type="checkbox"/> Parking
<p>Light Overspill Considerations – All Stage 1 works and Stage 2 works south of CH656.000 (Please select)</p> <p>Source: Dark Sky Planning Guideline Protecting the observing conditions at Siding Spring (June, 2016)</p> <p>NOTE: Construction activities will be performed during daylight hours (7am – 6pm) with no artificial lights required. This approval does not permit early morning works (before 7am) OR evening / night works (after 6pm). Notwithstanding this, lighting towers may be used at Minor Ancillary Facility Locations prior to and</p>		

during prestarts to illuminate the carparks and walkways when Project personnel are arriving at site. In these situations, the below measures will be applied.

1	Eliminate upward spill light.	<p>To eliminate upward spill of light, the following measures will be applied:</p> <ul style="list-style-type: none"> - Lighting towers will be set-up horizontally, so that light fittings are shining directly at the ground with no direct light shining above the horizontal plane. - Lighting towers with shrouds or shielded fittings will be utilised where available. - Lighting towers will not be directed onto reflective surfaces.
2	Direct light downwards, not upwards.	Lighting towers with directional fittings will be installed so that they shine directly at the ground with no direct light shining above the horizontal plane. Lights will be checked to ensure they are not shining directly into a neighbouring residence, onto a roadway, skyward, above the horizontal plane or outside of the property boundary.
3	Use shielded fittings.	Lighting towers with shrouds or shielded fittings will be utilised, where available.
4	Avoid 'over' lighting.	<p>It's anticipated that artificial lighting at laydowns will only be required in the mornings of winter months when day light is limited. Works on-site typically finish at 5pm.</p> <p>Lighting towers will be appropriate for the lighting task required and only be utilised when absolutely necessary (i.e. safety purposes) and will be turned-off when no longer required.</p>
5	Switch lights off when not required.	Temporary lighting towers will only be used when absolutely necessary and turned off when no longer required.
6	Use energy efficient bulbs.	Lighting towers with energy efficient bulbs will be used where available. LED lights will be utilised where

		available, avoiding halogen and incandescent bulbs, where possible.
7	Use asymmetric beams, where floodlights are used.	If required, lighting towers with asymmetric beams will be used where available.
8	Ensure lights are not directed towards reflective surfaces.	Lighting towers will be directed to the ground and avoid onto any reflective surfaces.
9	Use warm white colour.	Warm coloured light bulbs will be used where available, avoiding cool blue-rich high colour temperature bulbs that are the least sky-friendly.
JUSTIFICATION FOR OOHW		
<input type="checkbox"/> Technical justification – demonstrated need to operate outside standard hours <input checked="" type="checkbox"/> Infrastructure works – potential to shorten length of project and improve delivery or contract program requirements <input type="checkbox"/> Other Comments:		
CUMULATIVE OOHW REVIEW		
Any other approved OOHW near proposed OOHW?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cumulative Noise Assessment Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

APPROVAL

TRANS4M Rail - DISCIPLINE REVIEW	REPRESENTATIVE	ENDORSED TO PROCEED	COMMENTS
Construction Manager	Cam Pahor	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Nil</i>
Environment Manager	Adam Playne (pp)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>All relevant mitigation measures from the CNVMP must be implemented.</i>
WH&S Manager	Adam Boston	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Nil</i>
Community and Stakeholder Manager	Laura Colley	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Subject to consultation records.</i>
Project Director	Ganesh Kumar	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>Nil</i>
Environmental Representative - Approval			
Environmental Representative		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1. All relevant mitigation measures from the CNVMP and CNVIS must be implemented

			<p>2. <i>All sensitive receivers who have not responded to the consultation letter and all High (Day 3) impacted receivers to be followed up with by the T4MR Comms Team to ensure they received the material and/or if they have any questions or hesitations with the works occurring. If the sensitive receiver is concerned about the works, an offer is to be made to meet with the receiver to answer any queries they may have or explain the works / mitigation measures to be implemented. Offers for respite periods or alternative accommodation may also be made. Where a sensitive receiver is concerned with work on a Sunday, consideration should be given to either ceasing such work, or adjusting the start time, nature or location of such work, in consultation with the affected receiver/s.</i></p>
NSW Environment Protection Authority - Approval			
NSW EPA		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Department of Planning, Industry and Environment - Approval			
NSW DPIE		<input type="checkbox"/> Yes <input type="checkbox"/> No	

ATTACHMENT A – NOISE LEVEL ASSESSMENT

Chainage of Sensitive Receiver	Orientation	Approx. Distance (m)	Estimated Noise Impact (TfNSW Noise Estimator) / Noise Risk Assessment
Main Alignment - Earthworks			
Stage 1			
CH575.2	East	390	45dB / High (Day 1)
CH575.7	East	380	45dB / High (Day 1)
CH575.9	East	350	46dB / High (Day 2)
CH577.8	East	320	47dB / High (Day 2)
CH577.9	West	460	43dB / High (Day 1)
CH578.4	East	490	42dB / High (Day 1)
CH578.8	West	280	49dB / High (Day 2)
CH578.9	West	480	42dB / High (Day 1)
CH579.2	East	240	51dB / High (Day 2)
CH586.5	East	380	45dB / High (Day 1)
	East	490	42dB / High (Day 1)
CH590.4	East	260	50dB / High (Day 2)
	East	300	48dB / High (Day 2)
Edgeroi (CH593.400 – CH593.800)	East	9 sensitive receivers located 90 – 210 metres from the alignment	Max. 64dB / High (Day 3)
CH594.3	East	510	41dB / High (Day 1)
CH596.1	East	280	49dB / High (Day 2)
CH598.5	East	390	45dB / High (Day 1)
CH598.8	West	300	48dB / High (Day 2)
	West	530	41dB / High (Day 1)

CH600.7	East	520	41dB / High (Day 1)
CH609.1	East	760	36dB / Low (Day 2)
CH613.1	West	2 Residential Receivers located 90m from the alignment	Max. 64dB / High (Day 3)
Bellata (CH615.100 – CH616.400)	East	67 Residential Receivers. Bellata Golf Club Bellata Tennis Courts Anglican Church Caravan Park Bellata Public School. The closest receiver is located 90m from the works.	Max. 64dB / High (Day 3)
CH617.8	West	160	57dB / High (Day 3)
CH619.0	West	310	48dB / High (Day 2)
CH621.6	East	160	57dB / High (Day 3)
Stage 1 - Piling (*As per Section 4.5 of the ICNG and EPL Condition L4.3 a 5dB correction has been applied to piling activities).			
Bobbiwaa Creek (CH586.200)	North-east	490	49dB* / High (Day 2)
	North-east	590	47dB* / High (Day 2)
	West	1,100	38dB* / Low (Day 2)
Ten Mile Creek (CH600.500)	East	540	48dB* / High (Day 2)
Tookey Creek (CH620.600)	North	950	40dB* / Low (Day 2)
Stage 2B			
CH643.100	East	300	48dB / High (Day 2)
CH644.100	East	430	44dB / High (Day 1)

CH646.900	North-west	620	39dB / Low (Day 2)
Stage 3			
CH686.400.	South	180	55dB / High (Day 2)
CH706.800.	West	180	55dB / High (Day 2)
		220	52dB / High (Day 2)
CH717.500.	West	60	68dB / High (Day 3)
CH728.900.	East	230	52dB / High (Day 2)
		320	47dB / High (Day 2)
Croppa Creek. CH733.200 – CH734.300	West and East	21 residential receivers. 3 other sensitive receivers (i.e. Croppa Creek School, Croppa Creek Sporting and Recreational Club and Croppa Creek Golf Course). The closest of these receivers is 70m away.	66dB / High (Day 3)
CH737.300.	West	160	57dB / High (Day 3)
CH750.000.	East	450	43dB / High (Day 1)
CH755.200.	West	2 x 360	46dB / High (Day 2)
North Star. CH758.200 – CH759.000	East	34 residential receivers. Other sensitive receivers including; 1 church, 1 café and 1 general store. The closest of these sensitive receivers is 80m away.	65dB / High (Day 3)

ATTACHMENT B – VIBRATION LEVEL ASSESSMENT

N/A – As the closest sensitive receiver is located 60m away, a vibration assessment is not triggered (minimum working distances (triggering monitoring) is 10m for sound structures and 20m for unsound structures).

ATTACHMENT C – NOISE RISK ASSESSMENT

The below risk matrix must be used to determine the level of risk (and corresponding mitigation measures) associated with the proposed OOHW.

dB(A) above the Rating Background Level	Out of Hours Work Period		
	Day (Sunday or Public Holiday)	Rest / Evening (6:00pm – 10:00pm Mon - Sat)	Sleep / Night (10:00pm – 7:00am)
≤5dB(A)	Low (Day 1)	Low (Rest 1)	Low (Sleep 1)
>5dB(A) – 10dB(A)*	Low (Day 2)	Low (Rest 2)	Low (Sleep 2)
>10dB(A) – 15dB(A)	High (Day 1)	High (Rest 1)	High (Sleep 1)
>15dB(A) – 25dB(A)	High (Day 2)	High (Rest 2)	High (Sleep 2)
>25dB(A) or Highly noise affected (≥75 dB(A))	High (Day 3)	High (Rest 3)	High (Sleep 3)

NOTE:

For all high risk assessed activities, the OOHW Application Form (High Risk Activity) must be completed, EPA consulted, endorsed by the ER and approved by DPIE.

*Where the proposed OOHW are >2weeks and / or >5 potentially impacted receivers, the OOHW must be considered High Risk 1.

All OOHW works are subject to the mitigation measures detailed in Section 10 of the CNVMP.

Additional Mitigation Measures include:

Low Day 1 = To be determined by T4M Comm. Man and T4M Env. Man

Low Day 2 = CO1 + EPA Notification

Low Rest 1 = To be determined by T4M Comm. Man and T4M Env. Man
Low Rest 2 = CO1 + EPA Notification

Low Sleep 1 = To be determined by T4M Comm. Man and T4M Env. Man
Low Sleep 2 = CO1 + EPA Notification

High Day 1 = CO1
High Day 2 = CO1 and CO2
High Day 3 = CO1, CO2 and RO*

High Rest 1 = CO1
High Rest 2 = CO1 and CO2
High Rest 3 = CO1, CO2 and RO*

High Sleep 1 = CO1
High Sleep 2 = CO1, CO2, RO* and AA*
High Sleep 3 = CO1, CO2, RO and AA*

All high risk OOHW must include consultation with the NSW EPA.

Where:

CO1 = Communication Category 1

CO2 = Communication Category 2

RO = Respite Offer

AA = Alternative Accommodation Offer

Category 1 CO1: Communication should be personalised (e.g. door knock, meeting, telephone call). Contact with these residents should commence early to enable feedback to be considered by the proposal; and

Category 2 CO2: Communication to provide information on the proposal via letter box drop, email, newsletter, media advertisements and/or website a minimum of five days prior to the works commencing.

ATTACHMENT D – COMMUNITY & STAKEHOLDER CONSULTATION

All sensitive receivers were provided with a letter (refer figure 1) outlining why they had been identified. The letter and a copy of the community notification outlined the major construction activities as part of the project delivery including the hours of operation, proposed noise level, associated impacts and how impacts would be mitigated.

A map (refer figure 2) was included showing property location in relation to the construction zone along with a noise level chart.

Identified stakeholders were offered to meet with Trans4m Rail staff to discuss the proposal if required. Meetings were also held with landowners directly adjacent to the rail corridor.



26 March 2022

<Landowners Name/s>
<ADDRESS>
<Suburb> <State> <Postcode>

Dear xxxxxxx.

Continuation of construction activities on Sunday

The construction of the Inland Rail Narrabri to North Star Phase 1 (N2NS) project is undertaken in accordance with the [NSW Minister](#) for Planning and Public Spaces' Conditions of Approval (CoA) along with an Environmental Protection Licence (EPL). The CoA and EPL states that construction activities must be undertaken during the following hours:

- (a) 7:00am – 6:00pm Mondays to [Fridays](#);
- (b) 7:00am – 6:00pm Saturdays; and
- (c) At no time on Sundays or public holidays.

To date, construction works on the N2NS Project have been undertaken on Sundays under the Ministerial Order - Environmental Planning and Assessment (COVID-19 Development – Infrastructure Construction [Work Days](#) No. 2) Order 2020. As this Ministerial Order will expire on 31 March 2022, Trans4m Rail is required to seek agreement from landowners that may be deemed as a sensitive receiver to allow construction works on the N2NS Project to [continue on](#) Sundays from 3 April to 30 October 2022.

The justification to continue to undertake works on Sundays is to maintain the delivery program for the project despite the volume of rain that has been experienced in the area over the recent months. This will allow Trans4m Rail to return the track to ARTC by the 31 October 2022, allowing the line to be reopened for local growers to transport their product via train in November.

Due to the proximity to the construction impact zone (CIZ), a dwelling on your property has been deemed a sensitive receiver. As such, Trans4m Rail has undertaken an assessment using the Transport for NSW Noise Estimator to predict the worst-case noise scenario ([ig](#). All machinery operating at the boundary closest to the property). The [details](#) of this assessment is as follows:

CHAINAGE	ORIENTATION	APPROX. DISTANCE FROM WORKS	ESTIMATED NOISE IMPACT
621.600	East	160 metres	57dB

Taking the above into consideration, Trans4m Rail is seeking your agreement to continue to undertake construction activities on Sunday from 7am to 6pm. We ask that you sign the below, acknowledging that noise, [traffic](#) and vibration impacts may occur and that you're supportive of the proposal or alternatively you can provide a response via email.

Trans4m Rail [AV ARN](#): 84 996 025 181
64 – 68 [Bala](#) Street, Moree NSW 2400 | PO Box 903, [Ovenford QLD](#) 4210
T: 1800 732 761

Figure 1 – Letter to landowners



If you require any additional information or would like to discuss this further, please don't hesitate in contacting either myself or Trans4m Rail's, Stakeholder Engagement Advisor, Laura Colley on 0437 380 045.

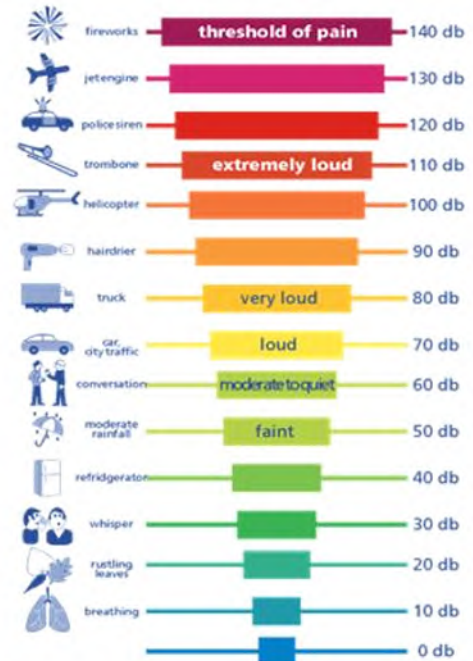
Yours sincerely,

Jodie Grant
Communications & Stakeholder Engagement Manager
Trans4m Rail
M: 0497 083 307

NAME:	
POSTAL ADDRESS:	
CONTACT NUMBER:	
EMAIL ADDRESS:	
<i>I understand and agree that there will be construction activities as part of the Inland Rail Narrabri to North Star Phase 1 project on Sundays from the 3 April 2022 – 30 October 2022.</i>	
SIGNATURE:	
DATE:	

Trans4m Rail [IV](#) ABN: 84 996 025 181

64 – 68 ~~Deo~~ [Deo](#) Street, Moree NSW 2400 | PO Box 903, [Oxenford QLD](#) 4210
T: 1800 732 761



Trans4m Rail [IV ADL](#): 84 996 025 181
 64 – 68 [Bella Street](#), Moree NSW 2400 | PO Box 903, [Quendred QLD](#) 4210
 T: 1800 732 761

Figure 2 – Location map and noise level chart

APPENDIX C – ER INSPECTION REPORT

INLAND RAIL PROJECT – NARRABRI TO NORTH STAR CSSI 7474

ENVIRONMENTAL REPRESENTATIVE'S INSPECTION REPORT

Date: 20 April 2022



INLAND RAIL NARRABRI TO NORTH STAR CSSI 7474



SECTION 1: SUMMARY

Project: Inland Rail = Narrabri to North Star	Client: ARTC	Principal Contractor: Trans4m
Inspection by: Steve Fermio (Environmental Representative)	Date: 20/04/22	Time: 8.00am to 5.30pm
Inspection report no: 220420	Pages: 18	Issued to: ARTC, Trans4m
Sites / locations inspected: Stage 1 works including Spring Creek and Ten Mile Creek		
Weather conditions: Sunny, South south-east winds 9-15km/h, 20°C (BoM Narrabri)		
Works observed: Bridge demolition and construction preparation works, including piling / crane pads, for at Spring Creek and Ten Mile Creek		
Summary of key findings and recommendations: <ol style="list-style-type: none">1. Mitigation measures (<i>Table 9: Biodiversity Mitigation Measures – Construction Biodiversity Management Sub-plan Rev 1</i>) were reviewed. This included specific mitigation measures for Five-clawed Worm-skink. The review found that all measures are being implemented. Some opportunities for improvement to the BMP (not related to FCWS measures) are summarised in Section 3 of this report.2. The sites are well established and organized and housekeeping is of a high standard.3. The only new observation arising from the site inspection is for Trans4m to ensure the latest version of the Daily Site Diary template is issued to all site engineers and supervisors with an instruction to replace older versions of the template as the new version provides an improved basis for recording daily site environmental observations.4. It was reported by Trans4m that the specialist ESCP adviser will be on site week commencing 25 April. Recommend that the ESCP advisor be kept closely involved with the ongoing works at Spring Creek and Ten Mile Creek until the environmental risk level is reduced to low.5. Previous ER inspection findings have either been closed out or are in progress.6. The next inspection is scheduled for 4/05/22 and will focus on site works at waterway crossings in Stage 1 including Spring Creek and Ten Mile Creek and earthworks in Stage 2b area.7. Document review will focus on the Construction Soil and Water Management Plan.		

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SECTION 2: OPEN ISSUES / ACTIONS FROM PREVIOUS INSPECTIONS AND REVIEWS

This Section presents the status on issues and actions identified in previous reporting periods. Open actions remain until closed. Closed actions are removed from the following Inspection Report.

Unique ID	Document / requirement reference	Requirement	Finding	Action proposed / implemented	Status
20210908-119 Lon:149.819 Lat:-29.636 Tycannah Creek Tributary	NA	 <p>In September 2021 it was noted there was a risk of embankment fill material washing over edge of bridge prior to the embankment being cut back to final shape. Recent inspections have confirmed material has been stabilised with soil binder and hydroseeding.</p>	Design process to be reviewed to understand how constructability factored in (or not) & any lessons learned arising	Wing walls on upstream and downstream top edges of culvert being redesigned to better contain rail embankment material. It is planned to retrofit these during the next Stage 2 possession in April 2022	Progressing

SECTION 2: OPEN ISSUES / ACTIONS FROM PREVIOUS INSPECTIONS AND REVIEWS

This Section presents the status on issues and actions identified in previous reporting periods. Open actions remain until closed. Closed actions are removed from the following Inspection Report.

<p>Yallaro Creek</p> <p>20220309-208</p> <p>Lon:150.310</p> <p>Lat:-29.066</p>		<p>In March 2022 it was noted the silt curtain downstream of the crane pad was partly submerged, reducing its effectiveness.</p>	<p>New curtain installed as indicated below</p>  <p>Line Name: Main NW Single Network Control Board: Train Order Control Base Code: 10019 Camurra - Boggabilla Single Line Kilometrage: 740.66 Date: 06-04-2022 15:18:13</p>	<p>Closed</p>
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SECTION 2: OPEN ISSUES / ACTIONS FROM PREVIOUS INSPECTIONS AND REVIEWS

This Section presents the status on issues and actions identified in previous reporting periods. Open actions remain until closed. Closed actions are removed from the following Inspection Report.

NA	TTAMP (Rev 1) Section 11	Compliance Management, in particular how monitoring and auditing is being undertaken	There is limited involvement of the Trans4m Environment and Sustainability Team in traffic monitoring and auditing as set out in Section 11. This work is largely being undertaken by Trans4m's Traffic Manager and contractors to the Project, as it should be	Rev 2 of TTAMP has amended section 11 to reflect involvement of Traffic Manager and team in traffic monitoring and auditing, rather than Enviro Team. Rev 2 has been endorsed by ER and submitted to DPE for approval	Closed
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SECTION 3: PROJECT REQUIREMENT / PROCESS / DOCUMENT REVIEW

This Section presents the outcomes from reviews of compliance with Conditions of Approval, and Project Strategies, Plans and Programs for the current Reporting Period. The review is conducted on select requirements based on the likely risks for the works being undertaken. The review is not exhaustive nor does it constitute an audit.

Unique ID	Document / requirement reference	Requirement	Finding	Action proposed / implemented	Status
	BMP / Preconstruction B2	If Construction is required outside of those areas previously assessed as part of the biodiversity assessment for the EIS and SPIR, additional field survey and analysis through a Consistency Assessment (CA) will be undertaken (refer to Section 3.3 of this plan).	CAs only apply in relation to a new CAF proposed under A16 and a Modification application is currently underway for clearing outside SPIR not related to CAF	OFI Suggest amending B2 in next revision of BMP to reflect current accepted practice regarding CAs and Modifications	Open
	BMP / Preconstruction B3	<p>Clearing of Koala habitat, as identified by the CoA E23 (Table E4 below), will be reduced by at least 25%, or as otherwise agreed by the Planning Secretary.</p> <p>Prior to construction commencing, key construction and environmental personnel will assess the Construction Impact Zone (CIZ) issued by ARTC and identify areas where Koala Habitat (and other mapped vegetation) can be retained.</p> <p>As required by CoA 24, ARTC will submit a report to the Planning Secretary, EES and DAWE for information on the final construction footprint demonstrating how impacts to Koala Habitat shown in Table E4 have been reduced to at least <u>131.43 ha</u> within six months after the commencement of construction. This process will be achieved via a workshop (or series of workshops) with representation from the Environment, Construction, Engineering and GIS / Survey Teams.</p>	25% reduction in Koala Habitat is being tracked in Sustainability Reporting but not tracked in the Clearing Register	OFI Suggest Clearing Register be amended to include tracking of 25% reduction in Koala Habitat	Open

INLAND RAIL NARRABRI TO NORTH STAR CSSI 7474



Unique ID	Document / requirement reference	Requirement	Finding	Action proposed / implemented	Status
2600-0018-N2NS-SP1	BMP / Preconstruction B6	All key actions of this BMP and ECMs (e.g. clearing demarcation, erosion control measures and clearing permit requirements) will be incorporated in relevant project HSEQ risk management documentation (AMS, ITPs, TRA/SWMS and ECMs)	Current practice is for this information to be collectively found in the Work Packs at each site	OFI Amend measure in next revision of BMP to reference Work Packs rather than naming the specific documentation	Open
	BMP / Preconstruction B21	A fauna register will be maintained during clearing by the ecologist/ fauna spotter catcher of: <ul style="list-style-type: none"> ▶ All habitat trees recorded/ cleared. ▶ All details of fauna captures/ relocation. ▶ All fauna mortalities. Any fauna taken into care and outcomes.	Biodiversity/ Flora and Fauna ECM (T4MR-MR- ENV-001-06) Fauna register	OFI Check BMP in next revision to remove duplicate mitigation measures references to Clearing Register	Open
	BMP / Works near/in creeks and temporary waterway crossings B34	Works within watercourses will not commence during/ within 24 hours prior to periods of high rainfall or high flow events.	Engineered piling / crane pads are installed within watercourses to allow works to occur within 24 hours prior to rainfall events	OFI Amend this measure in the next revision of the BMP to reflect current practice with regard to engineered piling / crane pads and reference to not opening new areas within 24 hours of high flow event	Open
	BMP / Rehabilitation & revegetation B42	All rehabilitation and revegetation works will be undertaken in accordance with the mitigation measures detailed in Section 6 of the CSWMP. Habitat features, such as woody debris will be scattered throughout rehabilitated areas within the rail corridor in consultation with the ARTC Project Manager / Project Director.	Reference to Section 6 of CSWMP is incorrect. Should be Section 7	Update reference to Section 7 Rehab and Revegetation mitigation measures in next revision of BMP	Open

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SECTION 4: INSPECTION

This Section presents the outcomes from an inspection of the project construction site, works and environmental protection measures for the current Reporting Period.

ISSUE PRIORITY LEVEL & DEFINITIONS	
High	May potentially result in a significant/major environmental incident/damage. Must be addressed immediately or within timeframe as agreed / advised at time of inspection.
Medium	May potentially result in a medium/moderate environmental incident/damage. Must be addressed within 3 business days or within timeframe as agreed / advised at time of inspection.
Low	Observation not classified as high or medium risk but still needs to be rectified in a timely manner. Must be addressed within 5 business days or as agreed / advised at time of inspection.
O	Observation for further consideration.
	Observation of good practice. No corrective action required.

INLAND RAIL NARRABRI TO NORTH STAR CSSI 7474

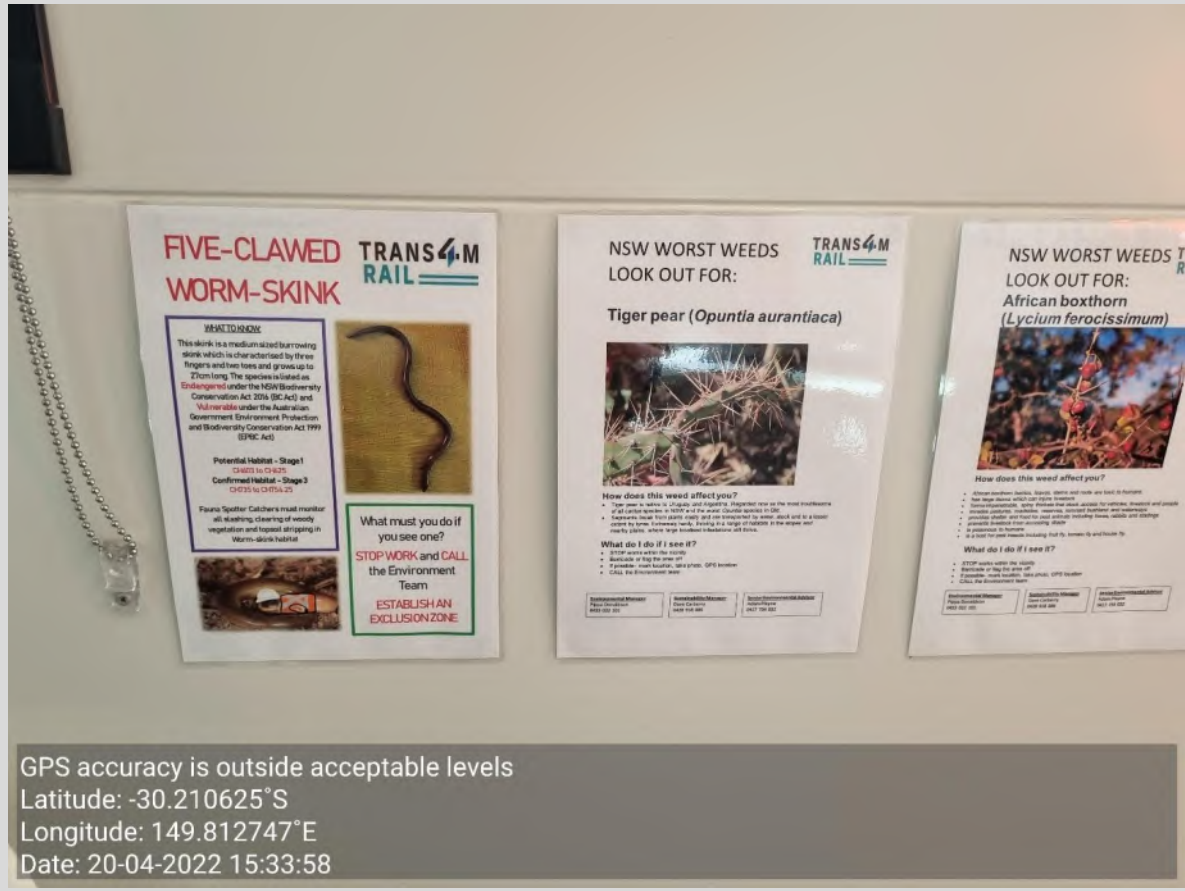

Unique ID	Photo	Finding	Priority	Status
220420_1 Ten Mile Creek	 <p>Line Name: Main NW Single Network Control Board: Train Order Control Base Code: 10018 Werris Creek - Mungindi Single Line Kilometerage: 600.50 Date: 20-04-2022 15:55:31</p>	Old bridge concrete being recycled in crane pad at Ten Mile Creek		Closed

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Unique ID	Photo	Finding	Priority	Status
220420_2 Ten Mile Creek		Ecological guidance material posters in Site Caravan		Closed

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Unique ID	Photo	Finding	Priority	Status
220420_3 Spring Creek	 <p>Line Name: Main NW Single Network Control Board: Train Order Control Base Code: 10018 Werris Creek - Mungindi Single Line Kilometerage: 582.62 Date: 20-04-2022 15:07:12</p>	<p>Existing sediment build up upstream of Spring Creek rail bridge</p> <p>Works in this area will require ongoing close liaison with CEPSC</p>	For noting	Closed

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Unique ID	Photo	Finding	Priority	Status
220420_4 10 Mile Creek	 <p>Line Name: Main NW Single Network Control Board: Train Order Control Base Code: 10018 Werris Creek - Mungindi Single Line Kilometrage: 600.51 Date: 20-04-2022 15:53:22</p>	Scour protection at discharge end of low flow pipes at base of piling pad - Ten Mile Creek		Closed

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Unique ID	Photo	Finding	Priority	Status
220420_5 Ten Mile Creek	 <p>Line Name: Main NW Single Network Control Board: Train Order Control Base Code: 10018 Werris Creek - Mungindi Single Line Kilometerage: 596.63 Date: 20-04-2022 15:40:11</p>	No Go zone flagged at Ten Mile Creek MAF		Closed

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220420_6
Ten Mile
Creek

TRANS 4M RAIL Shift Report

38051 Box out of road and construct

NO MATERIALS

LABOUR

NAME	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
ANNE-MARIE LAD TARE	6:30	20	10:5	20						
ANNE-MARIE LAD TARE	6:30	20	10:5	20						

PLANT

NAME	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
1006 crane	6:30	20	10:5	20						
1006 crane	6:30	20	10:5	20						

SUBCONTRACTOR

NAME	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
IRON DRAG	X5									
LIFE TOTE	X2									

STEEL Scaffolding ON 10 MILE ACCESS

WASTE

OTHER

General Comments (Delays, Issues etc.)



- Survey, Pick up SUBGRADE ABUT A, AND MARK OUT P1 P2 P3 IS clear of any structures ABUT A clear, P1 P2 P3 IS clear.
- INSTALL BLACK MAN PIPE SOUTHERN SIDE
- 1006 crane set up AND UNLOAD X3 PILE (LIVER)
- Got crane load out steel Bridge beams for 1006 crane.
- Enviro - Rock Hammer works with spray ring in place, NO RAIN overnight, dust control good regular water can utilize.

GPS accuracy is outside acceptable levels
Latitude: -30.053430°S
Longitude: 149.789023°E
Date: 20-04-2022 16:02:03



Daily Diary form at Ten Mile
Creek with environmental
observations included.

**Note that this is older diary
template. New template to be
rolled out to site engineers and
supervisors**

Closed

Unique ID	Photo	Finding	Priority	Status
220420_7 Spring Creek	 <p>Line Name: Main NW Single Network Control Board: Train Order Control Base Code: 10018 Werris Creek - Mungindi Single Line Kilometerage: 582.61 Date: 20-04-2022 14:58:11</p>	Rock check dam and silt curtain installed downstream of Spring Creek rail bridge work area		Closed

INLAND RAIL NARRABRI TO NORTH STAR CSSI 7474

Unique ID	Photo	Finding	Priority	Status
220420_7 Ten Mile Creek	 <p>Line Name: Main NW Single Network Control Board: Train Order Control Base Code: 10018 Werris Creek - Mungindi Single Line Kilometerage: 600.50 Date: 20-04-2022 15:58:46</p>	Upstream earth bund at Ten Mile Creek worksite		Closed


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SECTION 5: AUTHORISATION

This Section provides authorization from the ER that the information presented is, to the best of our ability, true and correct.

Name: Steve Fermio	Position: Environmental Representative
Signature: 	Date: 22/04/22

SECTION 6: NEXT INSPECTION

This Section plans the next inspection in consideration of issues and risks, and active or upcoming works. It enables adequate access arrangements to be made.

Scheduled date: 04/05/22

Proposed site / location: Spring Creek to Ten Mile Creek and north of Penny Road

Document review: Land and Water Management Plan

SECTION 7: DOCUMENT REVIEW FORWARD LOOKING PLAN

This Section plans the forward looking plan for the review of plans, strategies and programs required under the approval. It will be progressively reviewed and updated based on the risk and progress of works.

Month	Jan-22	Feb-22	Mar-22	Apr-22	May-22	June-22
Plan	Stage 2 FFMP	NVMP (OOHW focus only) and CMP	None ¹	SSWMP	LLGMP	GMP

Notes:

1. The first Independent Audit on the Project is being conducted over February and March 2022. A document review during this period would largely duplicate the Independent Audit. Therefore the ER will not complete a document review during March 2022 unless there appears to be a need (based on risks on site), or as directed by DPE.

APPENDIX D – CEMP REVIEW SCHEDULE

N2NS CEMP - Sub Plan Implementation Review Schedule												
CoA	Document	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
Lessons Learned Workshop	Trans4m to host process	x										
A21	MAF approvals		x									
B1/B6	Communication Strategy & Complaints Management System					x						
C1/C2	Construction Environmental Management Plan (CEMP)						x					
C4/8	Traffic and Transport Management Plan		x									
C4	Construction Noise and Vibration Management Sub Plan & OOHV Protocol					x						
C4/9	Biodiversity Management Sub Plan			x								
C4/10	Soil and Water Management Sub Plan				x							
C4/11	Heritage Management Sub Plan						x					
C12	Flood Emergency Management Sub Plan & Site Specific Flood Preparation Plans				x							