

Phase: Pre- Construction

Threatened animal- BTF and Squatter pigeon

Weed Management:

- Weed wash down for all vehicles coming into and exiting the site

Phase: Pre- Construction

Threatened animal- BTF and Squatter pigeon

Land Management:

- No construction vehicle access outside TRR4 road reserve on adjacent state land
- Weed control and management
- Fire management

Phase: Pre- Construction

Threatened animal- BTF

Near Nesting Areas

- Avoid clearance/slashing for perimeter fence in breeding season: Feb- June and Oct-April
- Pre-clearance survey before early works commence in this area
- Fencing barriers and toolbox talks
- Minimise clearing of grassland habitat

Phase: Construction and Operational

Refer to TMR Weed Management Plan

Phase: Construction and Operational

Refer to TMR Fire Management Plan

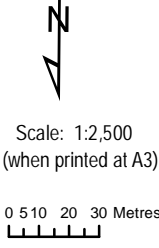
Protected Plant - no disturbance

Phase: Construction

- Peg to establish construction controls (clearing limits, temporary benchmarks etc.)
- Site establishment and environmental controls
- Clearing, grubbing and earthworks (maximum width as specified in vegetation clearance plan)
- Revegetation and environmental management
- Topsoil replacement and final reinstatement
- Management of the environmental impacts during construction
- Reinstatement of all disturbed areas

Sediment and Erosion Control plans

- Applicable to entire alignment
- Stringent around waterways



Known Weed Locations	Squatter Pigeon AECOM Survey	BTF Breeding Habitats	Potential Habitat for Bare-rumped Sheath-tail Bat
NRA Field BTF Sighting and Nest Records (December 2012, April 2013 data)	Squatter Pigeon NRA Survey	Higher Probability BTF Habitat	Roosting (optimal)/foraging
BTF Sightings (AECOM Survey)	TRR4 Project	Higher Probability BTF Supporting Habitat	Roosting (marginal)/foraging
Bog Figwort Population	Extent of Proposed Disturbed Area	Lower Probability BTF	Roosting (very marginal)/foraging
		Lower Probability BTF Supporting Habitat	

Appendix B

Approvals, Licences and Permits Required for TRR4

Townsville Ring Road Section 4

Legislative Triggers and Approvals Register



Townsville Ring Road Section 4

Legislative Triggers and Approvals Register

Prepared for

Department of Transport and Main Roads

Prepared by

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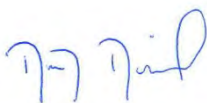
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Quality Information

Document Townsville Ring Road Section 4
 Ref 60264706
 Date 9 October 2012
 Prepared by Kylie Grusning
 Reviewed by Marjorie Cutting

Revision History

Revision	Revision Date	Details	Authorised	
			Name/Position	Signature
0	04-Oct-2012	For review by client	David Derrick Associate Director	Original not signed
A	08-Oct-2012	Final Copy	David Derrick Associate Director	Original previously signed
B	09-Oct-2012	Revised Final Copy	David Derrick Associate Director	

Legislative Triggers and Approvals Register

Job Number: 60264706-RG-PM-022 Client: Department of Transport and Main Roads (TMR) Principals: David Atkinson Date of Issue: 04 October 2012 Revision: B

The information contained in the table below is based on *Figure 1 - Concept Design; Options as at 05/10/2012; 60264706 – TRR4_SK126*.

N.B.: Colour coding: **Green** = Authorisation/permit obtained; **Yellow** = Application for authorisation/permit submitted; **Red** = Application for authorisation/permit not prepared and not submitted.

LEGISLATION	APPROVAL	AUTHORITY	TRIGGERED BY	REQUIRED	PERMIT REQUIREMENTS	TIMEFRAME	FEE FOR APPLICATION	PARTY TO ACTION?	PHASE TO ACTION?
<i>Environmental Protection and Biodiversity Conservation Act 1999</i> (EPBC)	EPBC Referral	Department of Sustainability, Environment, Water, Population and Communities (SEWPaC)	Significant impact on matter of National Environmental Significance (NES). Matters of NES include: <ul style="list-style-type: none"> - Black-throated Finch (<i>Poephila cincta cincta</i>); - Squatter Pigeon (<i>Geophaps scripta scripta</i>); - Bare-rumped Sheath-tail Bat (<i>Saccolaimus saccolaimus</i>); - Semon's Leaf-nosed Bat (<i>Hipposideros semoni</i>); - Greater Large-eared Horseshoe Bat (<i>Rhinolophus philippinensis</i>); - Australian Painted Snipe (<i>Rostratula australis</i>); and - Williams' Tylophora (<i>Tylophora williamsii</i>) 	Yes. An EPBC referral was submitted to the Minister in late September 2012	EPBC Referral Form http://www.environment.gov.au/epbc/assessments/referral-form.html	Max 20 business days for decision on referral on whether action is considered to be uncontrolled or controlled. A controlled action decision will mean a further 6 months – 3 years	Not Applicable	TMR / Consultant	Preliminary/ Detailed Design
<i>Vegetation Management Act 1999</i> (VMA)	Clearing Permit	Department of Environment and Heritage Protection (DEHP) – Townsville Office	Under the <i>Sustainable Planning Act 2009</i> (SPA) clearing of vegetation is assessable for a road (under the <i>Land Act 1994</i>); unless the clearing is clearing mentioned in the Sustainable Planning Regulation (SPR), schedule 24, part 1 (e.g. item 2) for land generally or schedule 24, part 2 for particular land	No. A permit for clearing VMA protected vegetation is not required by TMR within the gazetted road. If clearing outside of the gazetted road is required, a permit may be required but this does depend on the type of vegetation present (e.g. remnant or regrowth) and the tenure of the land. Regrowth watercourses may also require a permit to be cleared	Not applicable for gazetted road alignment. Potentially for other land tenures Clearing and development – Process for development applications http://www.derm.qld.gov.au/vegetation/clearing/index.html	IDAS timeframe (6 – 12 weeks minimum). Note: If land based offsets were required this timeframe would extend considerably	\$1280.00 (more than 5 ha) \$353.30 (less than 5 ha) \$353.30 (application fee for Property maps of assessable vegetation (PMAV)) http://www.derm.qld.gov.au/factsheets/pdf/vegetation/v29.pdf http://www.derm.qld.gov.au/services_resources/item_list.php?category_id=45&topic_id=39	TMR / Consultant	Detailed Design/Prior to Construction
<i>Nature Conservation Act 1992</i> (NC Act)	Clearing Permit Damage Mitigation Permit	DEHP – Townsville Office	A clearing permit is triggered when clearing native plants (as defined under the NC Act) with the exception of least concern plants which TMR have a DEHP granted exemption for (until mid-2013). A Damage Mitigation Permit is required when removing or relocating wildlife or breeding places not exempt under the <i>Species Management Plan for tampering with animal breeding places, February 2011</i> (e.g. for Endangered, Vulnerable or Near Threatened species listed under the NC Act or colonial breeding species) Offsets under the Qld Biodiversity Offset Policy may also be triggered	Yes. Clearing permit required for Bog Figwort. Damage mitigation permit potentially required if non-exempt fauna/breeding places are present within the TRR4 alignment during construction. It is an offence under the NC Act to capture or relocate protected (listed) species without the appropriate licences and permits	DEHP Vegetation management (clearing) http://www.ehp.qld.gov.au/licences-permits/plants-animals/land-management/vegetation_management_clearing.html	20 business days (4 weeks) assessment and 20 business days (4 weeks) decision	No Application Fee	TMR / Contractor	Detailed Design/Prior to Construction. Note that permits under the NCA can only be held by the party physically undertaking the work and only have a six month duration

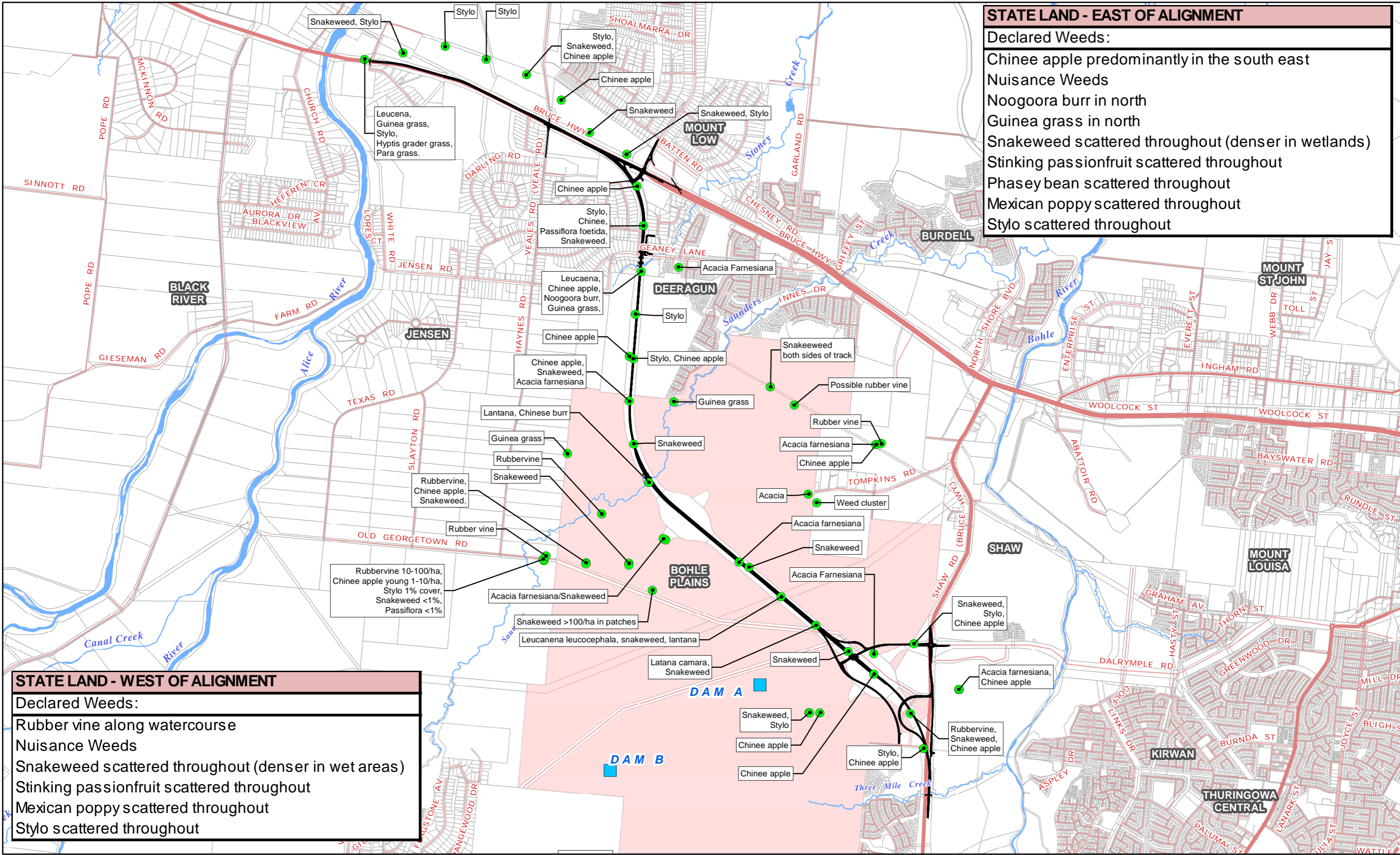
LEGISLATION	APPROVAL	AUTHORITY	TRIGGERED BY	REQUIRED	PERMIT REQUIREMENTS	TIMEFRAME	FEE FOR APPLICATION	PARTY TO ACTION?	PHASE TO ACTION?
			for impacts related to protected species						
Sustainable Planning Act 2009 (SPA)	Resource Entitlement	State Government Authorities	Reference to Schedule 14 of the <i>Sustainable Planning Regulations 2009</i> . Required when submitting development applications for some State land (e.g. leased, unallocated, Strategic Port Land, etc.)	Unlikely. An entitlement to a resource (e.g. soil) may be required if undertaking work outside (e.g. winning fill) of the proposed alignment on other State departments land	<i>Various Application Forms</i>	6 – 8 weeks (Estimated)	Not Available	TMR / Consultant	Detailed Design/Prior to Construction
	Development Application	Department of State Development, Infrastructure and Planning	Operational works such as clearing of listed vegetation and temporary and permanent waterway barrier works. Schedule 4, table 4, item 1 provides that operational work carried out on or behalf of the TMR is not assessable development under a local government planning scheme	Unknown at this stage, subject to final design.	IDAS Form 1 – Application details; and IDAS Checklist 1 (Development assessment checklist)	IDAS Timeline (6 to 12 weeks minimum)	Not Available	TMR / Consultant	Detailed Design
Fisheries Act 1994	Development application for Waterway Barrier Works (permanent bridge works, temporary barriers and requirements for fish passage)	Department of Agriculture, Forestry & Fisheries (DAFF) Alana O'Brien; (07) 4760-1587 (Townsville Office); Alana.O'Brien@deedi.qld.gov.au	Waterway barrier works means a minor dam, weir, floodgate, bridges, culverts and bed level crossings across a waterway if the barrier limits fish access and movement along a waterway. This permit is required for any structure that may impact on fish movement. There are codes for self-assessable development http://www.daff.qld.gov.au/28_9109.htm which apply to low impact projects. Projects that comply with the requirements of a self-assessable code can be done without an approval from DAFF, however, notification and signage requirements apply	Waterway bridges may require permits,, subject to final design. Culverts should be designed to be code compliant. Otherwise a permit is required	IDAS Forms using Smart eDA https://www.smarteda.qld.gov.au/forms.action;jsessionid=196C2177AFBEBF0FE5B1625F8E2D7E15 IDAS Form Number 27 Waterway barrier works	IDAS Timeline (6 to 12 weeks minimum).	No cost for self-assessable codes. IDAS = Between \$472.90 (Assessment Fee Level 1) and \$14200.30 (Assessment Fee Level 5) GST Exempt	TMR / Consultant	Detailed Design
Water Act 2000 (Water Act)	Riverine Protection Permit (RPP)	DEHP – Townsville Office	This permit is required to: - Destroy vegetation; - Excavate; or - Place fill in a watercourse, lake or spring, if the works cannot comply with the conditions of the <i>Guideline - Activities in a watercourse, lake or spring carried out by an entity</i> The above-mentioned guideline is available at: http://www.derm.qld.gov.au/about/policy/documents/4167/wap_2010_4165.pdf	Unlikely at this stage, subject to final design	Application form: http://www.derm.qld.gov.au/water/management/rpp.html	Not Available	Not Available	TMR / Consultant	Detailed Design
	Water Licence to Divert	DEHP – Townsville Office	Under section 206 of the Water Act, a water licence is required when diverting the flow of water in a watercourse (as defined under the Water Act).	Likely at this stage	Application form: http://www.derm.qld.gov.au/water/management/pdf/w2f006.pdf Guideline:	Not Available	\$106.10 application fee	TMR / Consultant	Prior to Construction

LEGISLATION	APPROVAL	AUTHORITY	TRIGGERED BY	REQUIRED	PERMIT REQUIREMENTS	TIMEFRAME	FEE FOR APPLICATION	PARTY TO ACTION?	PHASE TO ACTION?
			It is likely that a tributary of the Bohle River will require diverting to accommodate the Kalynda Chase overpass at the Southern Connection		http://www.derm.qld.gov.au/water/management/pdf/w2q006.pdf				
	Protocol – Authorised taking of water without a water entitlement under the Water Regulation 2002 (WAP/2011/4768 – Version 2) (Protocol)	Department of Natural Resources & Mines (DNRM) – Townsville Office	Section 20(8) of the Water Act authorises the taking of water by a constructing authority, in accordance with the Water Regulation and Protocol http://www.derm.qld.gov.au/about/policy/documents/4768/wap_2011_4768.pdf ; For the purpose of construction or maintenance of infrastructure only; Without the need to obtain a water permit or a water licence under the Water Act	Unknown at this stage, subject to final design and constructor's chosen methodology	Compliance with the Protocol negates the need for a permit	Not Available	No Application Fee	TMR / Contractor	Prior to Construction
City of Thuringowa Planning Scheme 2003	Operational Works Permit under the City of Thuringowa Planning Scheme	Townsville City Council	Not Applicable. SPR, Schedule 4, table 4, item 1 provides that operational work carried out on or behalf of TMR is not assessable development against a planning scheme	No	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Aboriginal Cultural Heritage Act 2003 (ACHA)	Duty of care obligation – Not an approval	DEHP – Townsville Office	A person: Must exercise due diligence and reasonable precaution before undertaking an activity which may harm Aboriginal cultural heritage. Who carries out an activity must take all reasonable and practicable measures to ensure the activity does not harm Aboriginal cultural heritage	Yes	A Cultural Heritage Management Agreement (CHMA) has been established for this project between the TMR and Traditional Owners for the project. A mandatory CHMP is required under the Act if an Environmental Impact Statement is required as an EPBC referral outcome	The formal CHMP process (under the ACHA) involves a statutory notification period during which the land user must notify the Cultural Heritage Body(s) and/or Aboriginal Party(s) of their intent to develop a CHMP. Recipients are then given 30 business days in which to respond to the notification, which is followed by an 84-day consultation and negotiation period. There are no statutory guidelines or time limitations either for the notification of the land user's intention to enter an agreement, or the negotiation of that agreement	Not Available	TMR / Consultant (where required)	All phases
Native Title Act 1993 (NT Act)	Obtaining no objection for works	Australian Government ComLaw (Federal Court of Australia)	Native title notification is required to undertake works on the following tenures: Unallocated State Land (including state owned water crossings); Reserve to the State; Land in Trust;	No. TMR has established that Native Title has been extinguished within the TRR4 alignment	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

LEGISLATION	APPROVAL	AUTHORITY	TRIGGERED BY	REQUIRED	PERMIT REQUIREMENTS	TIMEFRAME	FEE FOR APPLICATION	PARTY TO ACTION?	PHASE TO ACTION?
			Local Government Road Reserve; Road Reserve under the <i>Land Act 1994</i> ; and Road under the <i>Transport Infrastructure Act 1994</i> . There is no recorded Native Title claim for the proposed alignment						
<i>Environmental Protection Act 1994</i>	Environmentally Relevant Activity (ERA)	DEHP – Townsville Office	The Act in its regulation lists ERA's that require a permit and licence. The ERA licences that may be required relate to: Activity 6 – Asphalt manufacturing; Activity 8 – Chemical storage; Activity 16 – Extractive and screening activities; Activity 33 - Crushing, milling or grinding; Activity 43 – Concrete batching; and Activity 57 – Regulated waste transport. There is a Code of Compliance that exists for several of the ERA's where impacts to the environment are considered minor	Possibly for chemical storage. At this stage it is likely that fill will be obtained from licenced quarries, licenced regulated waste transporters will be engaged and asphalt and concrete will not be made up onsite but will be trucked in.	A one off permit is required and an annual licence. The operator is also required to be licenced separately. An ERA requirement includes temporary and mobile activities. Applications are made with the SPA integrated development assessment system (IDAS) forms 1 and 8. IDAS Forms using Smart eDA https://www.smarteda.qld.gov.au/forms.action.jsessionid=196C2177AFBEBF0FE5B1625F8E2D7E15	IDAS Timeline (6 to 12 weeks minimum)	\$551.00 plus the highest annual fee for the ERAs in the application	TMR / Contractor	Construction
	Environmental Protection Policies	DEHP – Townsville Office	If development assessment (particularly an ERA) is triggered under SPA (with regards to the <i>Environmental Protection (Water) Policy 2009</i> (EPP Water) only)	Possibly. At the concept stage, assessable development under SPA may be required (e.g. ERA, waterway barrier works etc.)	Undertaken as part of the IDAS assessment	Undertaken as part of the IDAS assessment	Undertaken as part of the IDAS assessment	TMR / Contractor	Design/ Construction

Appendix C

Location of Weeds

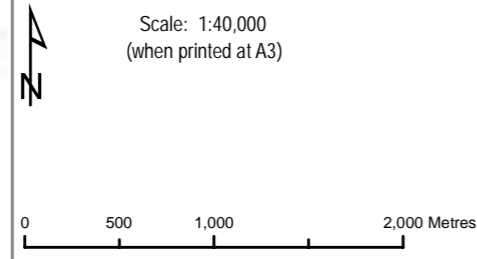


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AECOM

Cadastre, Study Area, Water body provided by Townsville City Council 2011.
 Squatter Pigeon - AECOM 2012 and NRA 2013
 StreetPro © 2010 Pitney Bowes Software Pty Ltd
 Roads, Watercourse - © 2010 PSM Australia Pty Ltd
 Weed locations - RPS and AECOM 2013

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TOWNSVILLE RING ROAD SECTION 4
Weed Distribution on TRR4 Road Reserve and in Adjacent Land
Figure 11