



Statement No.

MINISTER FOR THE ENVIRONMENT; SCIENCE 000677

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

ROAD FROM KARRATHA TO TOM PRICE
SHIRES OF ASHBURTON & ROEBOURNE

Proposal: The proposal is to construct and maintain a new road from the North West Coastal Highway, near Karratha to the Nanutarra-Munjina Road, north of Tom Price, as documented in schedule 1 of this statement.

The road which is approximately 245 kilometres in length traverses the Millstream-Chichester National Park.

Proponent: Main Roads Western Australia

Proponent Address: PO Box 6202
EAST PERTH WA 6004

Assessment Number: 1244

Report of the Environmental Protection Authority: Bulletin 1159

The proposal referred to above may be implemented by the proponent subject to the following conditions and procedures:

1 Implementation

1-1 The proponent shall implement the proposal as documented in schedule 1 of this statement subject to the conditions of this statement.

2 Proponent Commitments

2-1 The proponent shall implement the environmental management commitments documented in schedule 2 of this statement, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

Published on
27 APR 2005

3 Proponent Nomination and Contact Details

- 3-1 The proponent for the time being nominated by the Minister for the Environment under section 38(6) or (7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal until such time as the Minister for the Environment has exercised the Minister's power under section 38(7) of the Act to revoke the nomination of that proponent and nominate another person as the proponent for the proposal.
- 3-2 If the proponent wishes to relinquish the nomination, the proponent shall apply for the transfer of proponent and provide a letter with a copy of this statement endorsed by the proposed replacement proponent that the proposal will be carried out in accordance with this statement. Contact details and appropriate documentation on the capability of the proposed replacement proponent to carry out the proposal shall also be provided.
- 3-3 The nominated proponent shall notify the Department of Environment of any change of contact name and address within 60 days of such change.

4 Commencement and Time Limit of Approval

- 4-1 The proponent shall substantially commence the proposal within five years of the date of this statement or the approval granted in this statement shall lapse and be void.

Note: The Minister for the Environment will determine any dispute as to whether the proposal has been substantially commenced.

- 4-2 The proponent shall make application for any extension of approval for the substantial commencement of the proposal beyond five years from the date of this statement to the Minister for the Environment, prior to the expiration of the five-year period referred to in condition 4-1.

The application shall demonstrate that:

1. the environmental factors of the proposal have not changed significantly;
2. new, significant, environmental issues have not arisen; and
3. all relevant government authorities have been consulted.

Note: The Minister for the Environment may consider the grant of an extension of the time limit of approval not exceeding five years for the substantial commencement of the proposal.

5 Compliance Audit and Performance Review

- 5-1 The proponent shall prepare an audit program and submit compliance reports to the Department of Environment which address:

1. the status of implementation of the proposal as defined in schedule 1 of this statement;
2. evidence of compliance with the conditions and commitments; and
3. the performance of the environmental management plans and programs.

Note: Under sections 48(1) and 47(2) of the *Environmental Protection Act 1986*, the Chief Executive Officer of the Department of Environment is empowered to monitor the compliance of the proponent with the statement and should directly receive the compliance documentation, including environmental management plans, related to the conditions, procedures and commitments contained in this statement.

6 Weed Control

6-1 In addition to commitment 4 (Vegetation Protection and Rehabilitation Management Plan) in schedule 2, to manage and control the spread of weeds, the proponent shall ensure that:

1. earthmoving vehicles and construction equipment are free of soil and vegetative material prior to entering the construction area;
2. quarries and borrow pits are surveyed for Ruby Dock (*Acetosa vesicaria*) prior to utilising the material from these pits for road construction;
3. borrow pits and areas containing Ruby Dock (*Acetosa vesicaria*) are delineated in the field (by roping or a system of markers) to prevent access for construction crews and machinery;
4. soil and construction materials brought into the construction area from other areas are weed free; and
5. a Weed Control and Monitoring Program is prepared and implemented in collaboration with the neighbouring railway operator(s) with the objective of controlling and eradicating existing weeds and future outbreaks of weeds along the road, particularly Ruby Dock (*Acetosa vesicaria*), both during and following construction,

to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority, the Department of Conservation and Land Management and the Department of Agriculture.

7 Vegetation Protection and Rehabilitation

7-1 During road construction, the proponent shall limit the disturbance width of the road where it traverses the *Themeda* grassland threatened ecological community, near Hamersley Station, as shown in Figure 2 in schedule 1, to not more than 20 metres.

- 7-2 During road construction, the proponent shall limit the area of vegetation to be cleared within the Millstream-Chichester National Park to not more than 110 hectares.
- 7-3 During and following construction, the proponent shall rehabilitate:
- 1 approximately 137 hectares of land disturbed for the construction of the road; and *either*
 - 2(a) approximately 205 hectares of redundant access tracks, including those tracks associated with the railway, and redundant material pits as an environmental offset activity, *or*
 - 2(b) alternative offsets of equivalent cost/value, developed in liaison with the Department of Conservation and Land Management, and which deliver greater biodiversity outcomes,

to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Conservation and Land Management.

For the purpose of this condition, the specific locations, and methods and procedures for rehabilitation shall be included in the Vegetation Protection and Rehabilitation Management Plan (see commitment 4).

- 7-4 To ensure that rehabilitation is undertaken to an acceptable standard, prior to the commencement of construction, the proponent shall develop rehabilitation completion criteria to apply to the rehabilitation required by condition 7-3, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Conservation and Land Management.

The rehabilitation completion criteria shall have timeframes and shall be included in the Vegetation Protection and Rehabilitation Management Plan (see commitment 4 in schedule 2).

- 7-5 The proponent shall monitor the progress of rehabilitation against the rehabilitation completion criteria referred to in condition 7-4 and shall implement contingency measures and supplementary rehabilitation works where the criteria are not being met, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Conservation and Land Management.

Procedures

- 1 Where a condition states "to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority", the Environmental Protection Authority will provide that advice to the Department of Environment for the preparation of written notice to the proponent.
- 2 The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice to the Department of Environment.

- 3 Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment.

Notes

- 1 The Minister for the Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment over the fulfilment of the requirements of the conditions.

Dr Judy Edwards MLA
MINISTER FOR THE ENVIRONMENT; SCIENCE

Schedule 1

The Proposal (Assessment No. 1244)

The proposal is to construct and maintain a sealed new road from the North West Coastal Highway, near Karratha to the Nanutarra-Munjina Road, north of Tom Price.

The road traverses the Millstream-Chichester National Park.

The location and alignment of the road are shown in Figures 1 and 2.

The Key Proposal Characteristics are shown in Table 1 below.

Table 1 - Key Proposal Characteristics

Element	Quantities/Description
Length	Approximately 245 kilometres.
Connections to existing roads	North West Coastal Highway Roebourne-Wittenoom Road Millstream-Yaraloola Road Mt Bruce Road Nanutarra-Munjina Road
Area of disturbance <ul style="list-style-type: none">Road formationMaterial sources	Approximately 474 hectares – of this, approximately 137 hectares will be rehabilitated following construction. Approximately 100 hectares.
Design speed	110 kilometres per hour.
Formation width	Approximately 9 metres.
Waterway crossings	Up to 9 bridges across major watercourses and railway lines. Culverts and low-level floodways will be used for all other waterway crossings.
Railway crossings	One road-over-rail bridge. Four new level crossings.
Fencing of road reserve	Approximately 200 kilometres of fence will be erected along the road reserve outside the Millstream-Chichester National Park.

Figures (attached)

Figure 1 - Location of the proposal and location of road alignment.

Figure 2 - Location of road alignment.

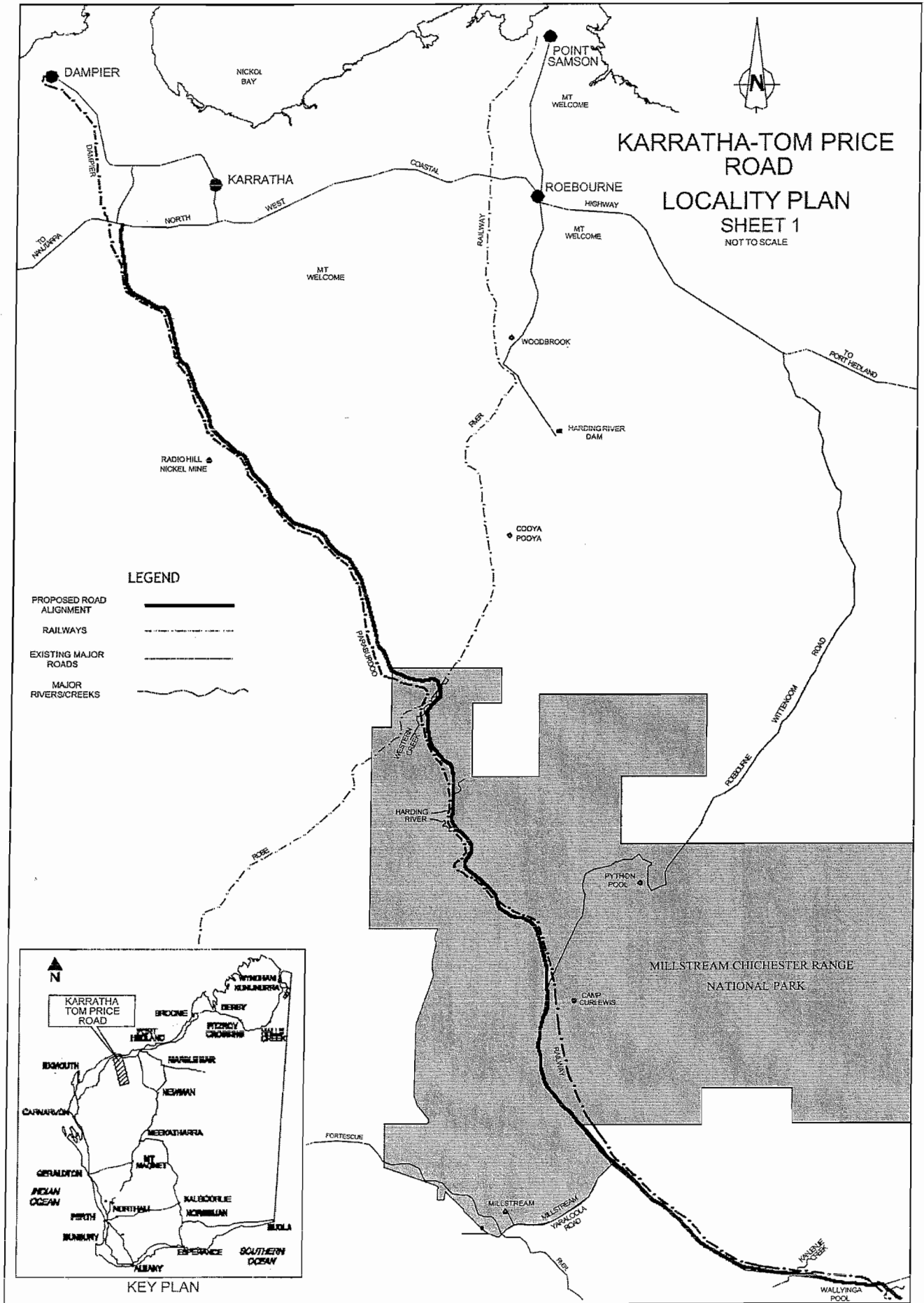


Figure 1: Location of the proposal and location of road alignment.

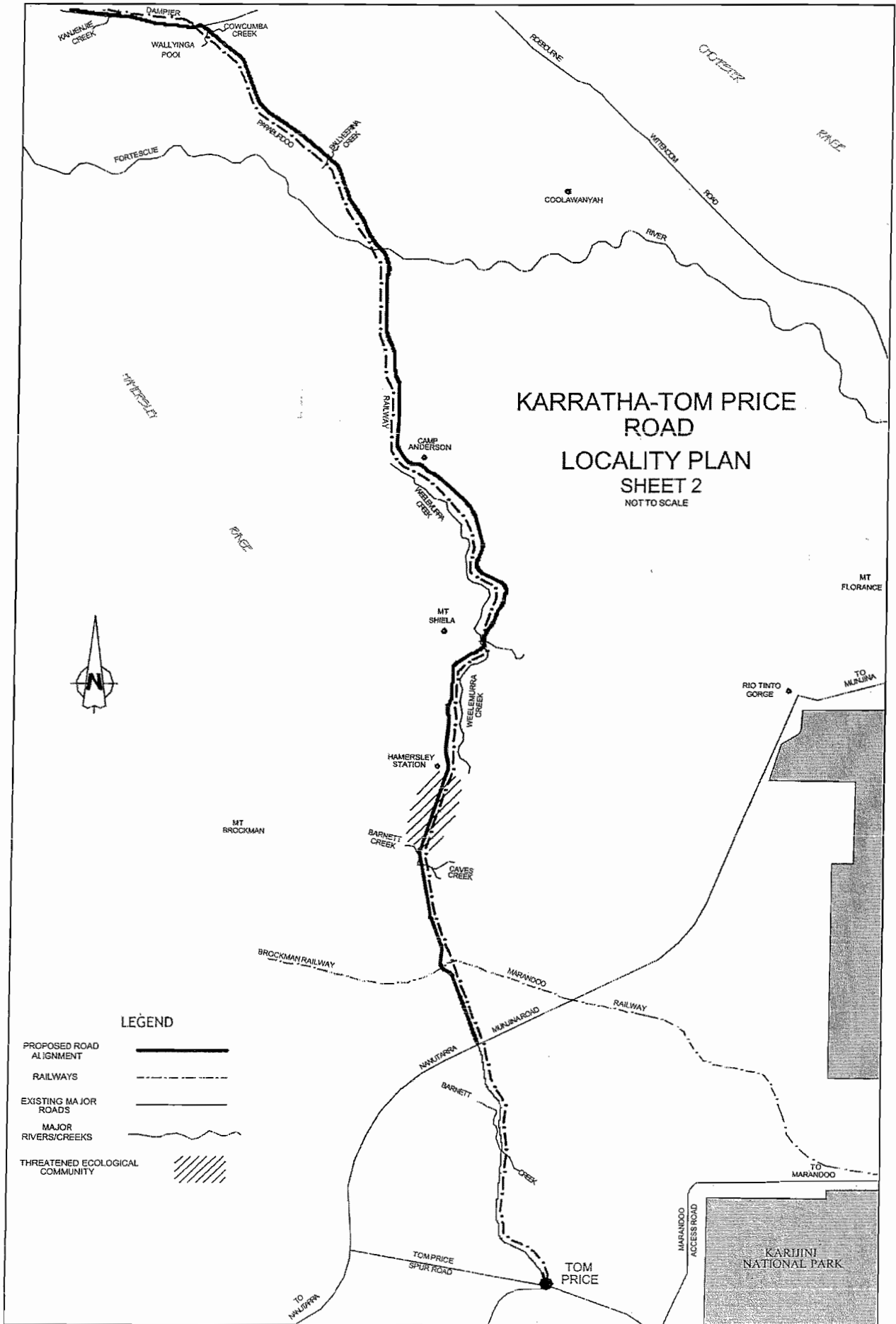


Figure 2: Location of road alignment

Proponent's Environmental Management Commitments

February 2005

**ROAD FROM KARRATHA TO TOM PRICE
SHIRES OF ASHBURTON & ROEBOURNE**

(Assessment No. 1244)

Main Roads Western Australia

Schedule 2

**Road from Karratha to Tom Price (Assessment 1244)
PROPOSER'S ENVIRONMENTAL MANAGEMENT COMMITMENTS – February 2005**

Note: The term “commitment” as used in this schedule includes the entire row of the table and its six separate parts as follows:

- a commitment number;
- a commitment topic;
- the ‘action’ to be undertaken by the proponent;
- the objective of the commitment;
- the timing requirements of the commitment; and
- the body/agency to provide technical advice to the Department of Environment.

No.	Topic	Action	Objective	Timing	Advice
1.	Environmental Co-ordination	Employ a dedicated environmental co-ordinator.	<p>To ensure that environmental co-ordination is effective.</p> <p>To provide environmental advice and to supervise clearing and rehabilitation activities, particularly in the Millstream-Chichester National Park and the section of the road which traverses the threatened ecological community.</p>	During construction	CALM

No.	Topic	Action	Objective	Timing	Advice
2.	Surface Drainage Management	<p>Prepare a Surface Drainage Management Plan which includes the following elements:</p> <ol style="list-style-type: none"> 1. Confirmation of design requirements (waterways report) for all major waterways; 2. Protection of embankments and waterway banks and beds; 3. Protection of riparian vegetation; 4. Strategies for maintaining sheet flows and avoiding drainage shadows (for example in Mulga groves); 5. Management strategies for protecting water quality in the Harding Dam and Millstream water catchment areas; 6. Emergency Response Planning for potential spills in the Harding and Millstream water catchment areas; 7. Details for monitoring of waterway integrity and erosion risks during and following construction; 8. Management and remediation of any impacts found during monitoring; and 9. Measurement and evaluation of environmental performance. 	<p>To maintain existing drainage patterns and to prevent soil erosion and sedimentation caused by construction activity or new waterways structures.</p>	<p>Prior to commencement of construction.</p>	<p>CALM</p>
3.	Surface Drainage Management	<p>Implement the Surface Drainage Management Plan.</p>	<p>To maintain existing drainage patterns and to prevent soil erosion and sedimentation caused by construction activity or new waterways structures.</p>	<p>Prior to, during and post-construction.</p>	<p>CALM</p>

No.	Topic	Action	Objective	Timing	Advice
4.	Vegetation Protection and Rehabilitation	<p>Prepare a Vegetation Protection and Rehabilitation Management Plan to include the following elements:</p> <ol style="list-style-type: none"> 1. Design and construction strategies which minimise loss of native vegetation and fauna habitat; 2. Details of restrictions on clearing, and clearing boundaries; 3. Protection of rare and significant flora; 4. Treatment and protection of riparian zones; 5. Treatment of material pits; 6. A detailed rehabilitation strategy which includes topsoil and weed management, brushing and seeding; 7. Monitoring measures for ensuring that vegetation is protected and replaced; 8. Measurement and evaluation of environmental performance; and 9. Determination of timing of rehabilitation in relation to staging of the proposal (see conditions 7-3 and 7-4). 	<p>To prevent loss of vegetation beyond the 'footprint' of the works, and minimise potential indirect effects on vegetation.</p> <p>To rehabilitate areas disturbed by construction of the road.</p>	Prior to commencement of construction.	CALM
5.	Vegetation Protection and Rehabilitation	Implement the Vegetation Protection and Rehabilitation Management Plan.	<p>To prevent loss of vegetation beyond the 'footprint' of the works, and minimise potential indirect effects on vegetation.</p> <p>To rehabilitate areas disturbed by construction of the road.</p>	During and post-construction.	CALM
6.	Threatened Ecological Community (TEC) Protection and Management	<p>Prepare a TEC Protection and Management Plan which includes:</p> <ol style="list-style-type: none"> 1. Fencing of the road reserve to provide a minimum 200-metre wide reserve; 2. Limits on clearing and construction activities; and 3. Barring of material pits. 	<p>To ensure that construction management in the TEC is of a similar standard to that employed in the National Park, and that this is to the satisfaction of CALM.</p>	Prior to commencement of construction	CALM

No.	Topic	Action	Objective	Timing	Advice
7.	Threatened Ecological Community Protection and Management	Implement the TEC Protection and Management Plan.	To ensure that construction management in the Threatened Ecological Community is of a similar standard to that employed in the National Park, and that this is to the satisfaction of CALM.	Prior to, during and post-construction	CALM
8.	Rehabilitation Trials	<ol style="list-style-type: none"> 1. Prepare a scientifically based rehabilitation trial for the treatment of redundant roads and tracks. 2. Monitor and report the outcome of these trials. 	To rehabilitate redundant tracks and to provide information on best practice methodology for use by Main Roads and others in the Pilbara in the future.	During and post-construction	CALM
9.	Rehabilitation Trials	Rehabilitate redundant roads and tracks using results of the trials referred to in commitment 8.	To rehabilitate redundant tracks and to provide information on best practice methodology for use by Main Roads and others in the Pilbara in the future.	During and post-construction	CALM

No.	Topic	Action	Objective	Timing	Advice
10.	National Park Plan	<p>Prepare a National Park Plan which addresses impacts in the Millstream-Chichester National Park and which includes as elements:</p> <ol style="list-style-type: none"> 1. Design of appropriate interpretive signage and rest bays to promote understanding of Park values and protection of flora and fauna; 2. Design to minimise the ecological and visual impact of the road through: <ol style="list-style-type: none"> a. Minimising cut-and-fill through the Park; b. Specifying the width of the construction corridor through the Park; c. Best practice design of batters in cut-and-fill areas to provide stable landforms which blend in with the surrounding contours; and d. Reducing vegetation clearing through forward planning and sensitive design. 3. Long-term management of the road reserve through the Park; and 4. Measurement and evaluation of environmental performance. 	To minimise the impacts of the road through the Millstream-Chichester National Park.	Prior to commencement of construction	CALM
11.	National Park Plan	Implement the National Park Plan.	To minimise the impacts of the road through the Millstream-Chichester National Park.	Prior to, during and post-construction	CALM
12.	Aboriginal Heritage	<p>Prepare an Aboriginal Heritage Management Plan which incorporates the following elements (in compliance with the <i>Aboriginal Heritage Act 1972</i>):</p> <ol style="list-style-type: none"> 1. A strategy for further Aboriginal heritage assessment and consultation during the final design of the road; 2. Details of commitments and conditions for design and construction activities to avoid impacts on significant sites. 	To protect and preserve Aboriginal cultural heritage within the area influenced by the roadworks.	Prior to commencement of construction.	DIA

No.	Topic	Action	Objective	Timing	Advice
13.	Aboriginal Heritage	Implement the Aboriginal Heritage Management Plan.	To protect and preserve Aboriginal cultural heritage within the area influenced by the roadworks.	Prior to and during construction.	DIA
14.	Construction Management	Prepare a Construction Management Plan to address: <ul style="list-style-type: none"> 1. Management of construction camps, including waste management; 2. Noise, dust and other construction nuisance; 3. Management of transport, storage and use of hazardous materials and hydrocarbons, particularly through the Harding and Millstream water catchment areas. 	To ensure that environmentally and socially acceptable standards are established and maintained during construction works.	Prior to commencement of construction	CALM Local Authorities
15.	Construction Management	Implement the Construction Management Plan.	To ensure that environmentally and socially acceptable standards are established and maintained during construction works.	During construction	CALM Local Authorities
16.	Fence construction at Millstream-Chichester National Park	Construct approximately 30 kilometres of fencing along the northern boundary of the Millstream-Chichester National Park where it is adjacent to Pyramid Station.	To prevent stock access to the National Park.	During construction, and, if necessary, post-construction on advice of CALM.	CALM
17.	Weed control at Millstream-Chichester National Park	Contribute \$25,000 per year, for five years, towards a weed control program for the Millstream-Chichester National Park.	To contribute to the overall weed control and management of the National Park, in particular the control of date and cotton palm, morning glory, khaki weed, Galland's curse, Indian water fern and Parkinsonia.	During and post-construction	CALM

Abbreviations

CALM - Department of Conservation and Land Management

DIA - Department of Indigenous Affairs

Attachment to Statement 677

Change to implementation condition under section 46C

Proposal: Road from Karratha to Tom Price, Shires of Ashburton and Roebourne

Proponent: Main Roads Western Australia

Amendment to implementation condition 7-2:

From: During road construction, the proponent shall limit the area of vegetation to be cleared within the Millstream-Chichester National Park to not more than 110 hectares.

To: During road construction, the proponent shall limit the area of vegetation to be cleared within the Millstream-Chichester National Park to not more than 145 hectares.

Attachment 2 to Ministerial Statement 677

Change to proposal approved under section 45C of the *Environmental Protection Act 1986*

This Attachment replaces Schedule 1 and Attachment 2 of Ministerial Statement 677

Proposal: Road from Karratha to Tom Price – Shire of Ashburton & Roebourne

Proponent: Main Roads Western Australia

Changes:

- Create a total disturbance footprint of 574 hectares, by combining the following areas of disturbance:
 - Road formation – approximately 474 hectares; and
 - Material sources – approximately 100 hectares.
- Remove the following elements which are no longer considered Key Proposal Characteristics:
 - Design speed (110 kilometres per hour).
 - Railway crossings (One road-over-rail bridge. Four new level crossings.)

Schedule 1

Table 1: Summary of the Proposal

Proposal Title	Road from Karratha to Tom Price – Shire of Ashburton & Roebourne
Short Description	The proposal is to construct and maintain a sealed new road from the North West Coastal Highway, near Karratha to the Nanutarra-Munjina Road, north of Tom Price. The road traverses the Millstream-Chichester National Park.

Table 2: Location and authorised extent of physical and operational elements

Element	Location	Previous Quantities/Description	Authorised Extent
Length	Figures 1 and 2	Approximately 245 kilometres.	Approximately 245 kilometres.
Connections to existing roads	Figures 1 and 2	North West Coastal Highway Roebourne-Wittenoom Road Millstream-Yaraloola Road Mt Bruce Road Nanutarra-Munjina Road	North West Coastal Highway Roebourne-Wittenoom Road Millstream-Yaraloola Road Mt Bruce Road Nanutarra-Munjina Road
Area of disturbance <ul style="list-style-type: none"> • Road formation • Material sources 	Figures 1 and 2	Approximately 474 hectares – of this, approximately 137 hectares will be rehabilitated following construction. Approximately 100 hectares.	Clearing and disturbance of no more than 574 hectares – of this no less than 137 hectares will be rehabilitated following construction of the road formation.
Design speed		110 kilometres per hour	Remove
Formation width		Approximately 9 metres	Approximately 9 metres

Element	Location	Previous Quantities/Description	Authorised Extent
Waterway crossings		Up to 9 bridges across major watercourses and railway lines. Culverts and low-level floodways will be used for all other waterway crossings.	Up to 9 bridges across major watercourses and railway lines. Culverts and low-level floodways will be used for all other waterway crossings.
Railway crossings		One road-over-rail bridge. Four new level crossings.	Remove
Fencing of road reserve		Approximately 200 kilometres of fence will be erected along the road reserve outside the Millstream-Chichester National Park.	Approximately 200 kilometres of fence will be erected along the road reserve outside the Millstream-Chichester National Park.

Note: Text in **bold** in Table 2 indicates a change to the proposal.

Figures (attached)

Figure 1 Location of the proposal and location of road alignment.

Figure 2 Location of road alignment.

[Signed 21 June 2018]

Dr Tom Hatton
CHAIRMAN
Environmental Protection Authority
under delegated authority