



Hon Mark McGowan MLA
Minister for the Environment;
Racing and Gaming

197 St George's Terrace, Perth WESTERN AUSTRALIA 6000
Telephone: (+61 8) 9222 9111 Facsimile: (+61 8) 9222 9410
Email: mark-mcgowan@dpc.wa.gov.au • Website: www.ministers.wa.gov.au/mcgowan/

Statement No.

000717

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

**BROCKMAN SYNCLINE 4 IRON ORE PROJECT
60 KM WEST-NORTH-WEST OF TOM PRICE
SHIRE OF ASHBURTON**

Proposal: Three open pits, dry processing plant, associated iron ore mine infrastructure and an extension to the Brockman 2 rail spur in the Central Pilbara area, as documented in schedule 1 of this statement.

Proponent: Hamersley Iron Pty Limited

Proponent Address: GPO Box A42,
PERTH WA 6837

Assessment Number: 1543

Report of the Environmental Protection Authority: Bulletin 1214

The proposal referred to in the above report of the Environmental Protection Authority may be implemented subject to the following conditions and procedures:

1 Proposal Description

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

2 Proponent Environmental Management Commitments

2-1 The proponent shall fulfil the environmental management commitments contained in schedule 2 of this statement.

Published on

24 MAR 2006

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 under section 38(6a) and provide the name and address of the person who will assume responsibility for the proposal, together with a letter from that person which states that the proposal will be carried out in accordance with the conditions and procedures of this statement, and documentation on the capability of that person to implement the proposal and fulfil the conditions and procedures.
- 3-3 The nominated proponent shall notify the Department of Environment of any change of the name and address of the proponent within 60 days of such change.

4 Time Limit of Approval to Commence

- 4-1 The proponent shall provide evidence to the Department of Environment that the proposal has been substantially commenced within five years from the date of this statement or the approval granted in this statement shall lapse and be void.
- 4-2 The proponent shall make an application for any extension of approval for the substantial commencement of the proposal to the Minister for the Environment prior to the expiration date of this statement, which shall demonstrate that:
1. the environmental factors of the proposal reported in Environmental Protection Authority Bulletin 1214 have not changed significantly;
 2. new, significant, environmental factors have not arisen; and
 3. all relevant government authorities and stakeholders have been consulted.

5 Compliance Reporting

- 5-1 The proponent shall submit compliance reports in accordance with a schedule approved by the Department of Environment and with the compliance monitoring guidelines, and shall:
1. describe, or update, the state of implementation of the proposal;
 2. provide verifiable evidence of compliance with the conditions, procedures and commitments;
 3. review the effectiveness of corrective and preventative actions contained in the environmental management plans and programs;

4. provide verifiable evidence of the fulfilment of requirements specified in the environmental management plans and programs;
5. identify all confirmed non-conformities and non-compliances and describe the related corrective and preventative actions taken; and
6. identify potential non-conformities and non-compliances and provide evidence of how appropriate corrective action is being determined.

6 Performance Review

6-1 The proponent shall submit a Performance Review Report every six years after commissioning to the Environmental Protection Authority, which addresses:

1. the major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives;
2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable;
3. significant improvements gained in environmental management, including the use of external peer reviews;
4. stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed; and
5. the proposed environmental objectives over the next six years, including improvements in technology and management processes.

7 Vegetation

7-1 Prior to commencement of ground disturbance within the rail spur and infrastructure corridor route, the proponent shall:

1. carry out a wet season flora survey to determine the number and distribution of identifiable Declared Rare, Priority and significant flora species which may be impacted by the proposed activities; and
2. provide a report of the findings of the survey to the Environmental Protection Authority and the Department of the Conservation and Land Management.

7-2 In the event that any Declared Rare, Priority or significant flora species are recorded during the survey required by condition 7-1, the proponent shall prepare a Flora Management Plan in accordance with requirements of the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Conservation and Land Management.

The objective of this Plan is to maintain the abundance, diversity, geographic distribution, conservation status and productivity of Declared Rare, Priority and

significant flora species and ecosystem levels through the avoidance or management of adverse impacts and improvement in knowledge.

This Plan shall describe the significant, identified species of Declared Rare, Priority and significant flora, and describe significant vegetation associations and habitat areas along the rail spur and infrastructure corridor routes, and shall set out procedures to:

1. demarcate identified populations and/or individuals of conservation-significant species of flora and vegetation associations and habitat areas;
 2. modify land clearing plans and evaluate alternative mine plans, to minimise or avoid impacts on the conservation-significant, identified species of flora and vegetation associations and habitat areas;
 3. minimise impacts where proposed mining activities are likely to impact on flora, vegetation associations and habitat areas of conservation significance, and demonstrate that such impacts have been minimised;
 4. monitor and record impacts on conservation-significant, identified species of flora and vegetation associations and habitat areas; and
 5. implement appropriate contingency measures where impacts on conservation-significant, identified species of flora and vegetation associations and habitat areas are identified.
- 7-3 The proponent shall review and revise the Flora Management Plan required by condition 7-2 at intervals not exceeding five years.
- 7-4 The proponent shall implement the Flora Management Plan required by condition 7-2 and subsequent revisions required by condition 7-3.
- 7-5 The proponent shall make the Flora Management Plan required by condition 7-2 and subsequent revisions required by condition 7-3 publicly available.

Note: In the preparation of advice to the Minister for the Environment, the Environmental Protection Authority expects the proponent to obtain the advice of the Department of Conservation and Land Management.

8 Land Snails

- 8-1 Prior to the commencement of mining activities, the proponent shall prepare a Snail Management Plan to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Conservation and Land Management.

This plan shall:

1. provide protection to the genetically distinct *Rhagada* sp. "Mt Brockman" snail population and the *Triodia* under Mulga vegetation community and drainage features which support it at survey site BROMD from impacts of the development/activities by locating the pipeline along an alternate track on the north of BROMD; and

2. include a program for monitoring of the *Rhagada* sp "Mt Brockman" population at survey site BROMD to ensure that the development/activities do not adversely impact the population.

8-2 The proponent shall implement the Snail Management Plan required by condition 8-1.

8-3 The proponent shall make the Snail Management Plan required by condition 8-1 publicly available.

8-4 The proponent shall submit the findings of the Snail Management Plan to the Environmental Protection Authority, the Department of Conservation and Land Management and the Western Australian Museum.

9 Groundwater

9-1 At least 12 months prior to commencement of groundwater abstraction from any alternative borefield which may supply water for the proposal and/or dewatering, the proponent shall provide the results of relevant hydrogeological investigations to the Department of Environment and the Water and Rivers Commission.

10 Mine Rehabilitation and Closure

10-1 The proponent shall rehabilitate and decommission the project areas in accordance with the Preliminary Rehabilitation and Closure Management Plan in the Public Environmental Review document (Appendix G, Hamersley Iron 2005), or subsequent revisions of the Plan.

Note: In the preparation of advice to the Minister for the Environment, the Environmental Protection Authority expects the proponent to obtain the advice of the Department of Industry and Resources, the Department of Conservation and Land Management and the Water and Rivers Commission.

10-2 The proponent shall review and revise the Preliminary Rehabilitation and Closure Management Plan at intervals not exceeding five years, with the first revision submitted to the Department of Environment within five years following commissioning of the mine.

The objective of this plan is to ensure that closure planning and rehabilitation are carried out in a coordinated, progressive manner and are integrated with development planning, consistent with the Australian and New Zealand Minerals and Energy Council and the Minerals Council of Australia *Strategic Framework for Mine Closure* (2000), current best practice, and the agreed land uses.

Each revision of the Preliminary Rehabilitation and Closure Management Plan shall set out procedures and measures to:

1. manage over the long term ground and surface water systems affected by the open pits and waste rock dumps;

2. progressively rehabilitate all disturbed mine and infrastructure corridor areas to stable landforms with cover of resilient, self-sustaining vegetation comprised of local provenance species as established by measurable criteria based on site survey data;
3. backfill the pits to minimise impacts on groundwater quality, subterranean fauna and surface drainage patterns, and to encourage appropriate revegetation;
4. identify contaminated areas, including provision of evidence of notification and propose management measures to relevant statutory authorities; and
5. develop management strategies and/or contingency measures in the event that operational experience and/or monitoring indicate that a closure objective is unlikely to be achieved.

10-3 The proponent shall make revisions of the Preliminary Rehabilitation and Closure Management Plan required by condition 10-2 publicly available.

Notes

1. Where a condition states "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. 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.
4. The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the *Environmental Protection Act 1986*.

**HON MARK McGOWAN MLA
MINISTER FOR THE ENVIRONMENT;
RACING AND GAMING**

24 MAR 2006

Schedule 1

The Proposal (Assessment No. 1543)

The proposal is to construct and operate an open-cut iron ore mine in the Central Pilbara, approximately 60 km west-north-west of Tom Price and 25 km south-west of the existing Brockman 2 mine, as shown in Figure 1 (attached). The project footprint will disturb approximately 2 470 ha of native vegetation, as shown in Figure 2 (attached). The processing plant will produce a nominal capacity of 20 Mt/pa of ore.

The proposal also includes:

- three new mine pits;
- a dry processing plant;
- associated mine infrastructure;
- an extension to the existing Brockman 2 rail spur; and
- a power transmission line.

The main characteristics of the proposal are summarised in Table 1 below.

Table 1 - Key Proposal Characteristics

Element	Description
General	
Project life	Estimated 30 years
Area of disturbance	Approximately 2,470 ha
Potential ore reserves	600 Mt high-grade (>60% Fe) 280 Mt low-grade (>50% Fe)
Mining rate	Minimum 20 Mt/pa
Waste rock	420 Mt (approx 150 Mt of which will be used to backfill pits)
Greenhouse gas emissions	5.59 kg CO _{2e} per tonne of production per annum.
Mine and mining	
Pits and ore type	Three pits with high phosphorus Brockman ore. The deposit extends approximately 14 km in length, is 1 km wide and averages 150 m deep.
Ore below water table	Approximately 20% of total ore (variable between each pit)
Stripping ratio	Ranges from 0.5:1 to 1.5:1 waste to ore depending on processing and stockpile strategies (average 1.2:1)
Waste rock disposal	Surface dumps until mined-out pit voids become available, then backfilled to above pre-mine water table.

Element	Description
Dewatering	
	Dewatering required to access ore from below the water table.
Infrastructure	
Water Supply	6,200 kL/d (plus additional 300 kL/d for the mine camp). Supplied from the Orebody and Wittenoom Dolomite aquifers. Boolgeeda borefield as an additional source via pipeline along infrastructure corridor.
Power Supply	13.5 MW supplied from the Dampier – Tom Price 220 kV transmission system via a 66 kV sub-transmission system. Power lines will approach the mine within the infrastructure corridor.
Processing Plant	A dry plant with a crushing and screening circuit for 20 Mt/pa of ore.
Product transport	By rail via a 35 km long rail spur from the project area to Brockman 2 mine, then along the existing Brockman 2 rail spur and main railway to port.
Airstrip	Approximately 2 000 m airstrip
Workforce	
Construction Operation	Peak of 700 300 (plus approximately 40 during periodic shutdown maintenance periods).
Accommodation	A permanent village and contractor's camp, plus small rail spur camps.

Abbreviations

e – equivalent

Fe – iron

ha – hectare

km – kilometre

kL/d – kilolitres per day

kV – kilo volts

m – metres

Mt – mega tonnes

Mt/pa – mega tonnes per annum

MW – mega watts

Figures (attached)

Figure 1 - Site location

Figure 2 - Site layout

Proponent's Environmental Management Commitments

January 2006

BROCKMAN SYNCLINE 4 IRON ORE
PROJECT
60 KM WEST-NORTH-WEST OF TOM PRICE
SHIRE OF ASHBURTON

(Assessment No. 1543)

HAMERSLEY IRON PTY LIMITED

Schedule 2

Proponent's Environmental Management Commitments

Brockman Syncline 4 Iron Ore Project, 60 km West-North-West of Tom Price, Shire of Ashburton
(Assessment No. 1543)

Topic	Objective	Commitments	Timing	Advice
Environmental Management Plan (EMP)	Manage environmental impacts of the BS4 Project.	<ol style="list-style-type: none"> 1. Prepare separate EMP's for construction and operation of the BS4 Project which address relevant environmental issues, including: <ol style="list-style-type: none"> 1. Flora (including Priority sp.); 2. Fauna (including stygofauna); 3. Weeds; 4. Topsoil; 5. Fire; 6. Dust; 7. Noise; 8. Waste (non-mineral and mineralised waste); 9. Hydrocarbons; 10. Water (surface and groundwater); 11. Acid rock drainage; 12. Greenhouse gases; 13. Rehabilitation; 14. Aboriginal heritage; and 15. Monitoring, reporting and auditing processes 	Prior to construction and operation.	CALM

Topic	Objective	Commitments	Timing	Advice
Priority Flora	Re-establishment of Priority flora species in rehabilitation areas.	<ol style="list-style-type: none"> 2. Collect seed from existing Priority flora species in the BS4 project area for use in rehabilitation to re-establish Priority flora species. 3. Conduct research into the re-establishment of Priority flora species in rehabilitation areas. 4. Fund a taxonomic, biogeographic and genetic study on <i>Rhagada</i> sp. land snails found in the BS4 Project area. 	During operations	CALM
Land Snails	Gain further information on the distribution and population diversity of land snails found in the Project area.	<ol style="list-style-type: none"> 5. Install sampling bores, incorporating slotted casing suitable for stygofauna sampling at alluvial creek systems in the valley north of the BS4 area (ie. Proposed Boolgeeda borefield). 6. In the event that results from sampling of the bores referred to in commitment 4 indicate that stygofauna will be impacted by the BS4 project, prepare a Subterranean Fauna Management Plan. 7. Make the plan prepared in commitment 6 publicly available. 	Within six months of commissioning.	CALM
Stygofauna	Identify and manage any subterranean fauna found within the BS4 project area.	<ol style="list-style-type: none"> 8. Incorporate the BS4 Project into the Hamersley Iron stygofauna research program. 9. Collate results of the BS4 stygofauna sampling with other studies on the distribution and ecology of Pilbara stygofauna by BHP Billiton Iron Ore and the Western Australian Museum. 	Prior to ground disturbance.	CALM
Stygofauna	Sampling and study.		During operations phase.	

Topic	Objective	Commitments	Timing	Advice
Groundwater Quality	Prevent the formation of pit lakes derived from groundwater.	10. Backfill mined-out pits to above pre-mine water table levels.	Ongoing during operations phase, closure and decommissioning.	DoIR
Groundwater Resources	Sustainable management of borefields.	11. Prepare a Borefield Management Plan incorporating a Water Operating Strategy which includes a monitoring program. 12. Make the plan prepared under commitment 9 publicly available.	Prior to groundwater abstraction.	WRC
Rail Spur Drainage	Ensure rail spur drainage design appropriate.	13. Consult with CALM on detailed design plans for rail spur drainage.	Prior to construction.	CALM
Aboriginal Heritage	Protect/manage Aboriginal heritage sites in accordance with the <i>Aboriginal Heritage Act 1972</i> .	14. Complete Aboriginal heritage surveys of all areas not yet surveyed within the BS4 Project area, and avoid any Aboriginal heritage sites identified where practicable.	Pre-construction.	Aboriginal Groups, DIA

Abbreviations

CALM – Department of Conservation and Land Management

DoIR – Department of Industry and Resources

DIA – Department of Indigenous Affairs

WRC – Water and Rivers Commission

Attachment 1 to Statement 717

Change to Proposal

Proposal: Brockman Syncline 4 Iron Ore Project, 60 km West-north-west of Tom Price, Shire of Ashburton

Proponent: Pilbara Iron (on behalf of Hamersley Iron Pty. Limited).

Change: Redesign of approved mine site layout – plant, administration office, workshops, stacker reclaimer stockpiles, village, camp, waste dumps and stockpiles. Redesign of the rail spur. An increase in throughput from 20 to 22 Megatonnes per year. An increase in water usage. The bitumen sealing of White Quartz Road. Removal of the conveyor and airstrip.

Features of previously approved Proposal, as presented in Schedule 1 or the Public Environmental Review:

Element	Quantities/Description
Mining Rate	20 Megatonnes per year.
Water Supply	6,200 kL/d (plus additional 300 kL/d for the mine camp). Supplied from the Orebody and Wittenoom Dolomite aquifers. Boolgeeda borefield as an additional source via pipeline along infrastructure corridor.
Processing Plant	A dry plant with a crushing and screening circuit for 20 Megatonnes per year of ore.
Rail Spur	300 hectare footprint.
Plant, Administration, Workshops, and Stockpiles – location	As shown in figure 2 of statement 717.
Village and Camp - Operational village capacity - Construction village capacity - Location	350 rooms. 700. As shown in figure 2 of statement 717.
Waste Dumps, High Grade and Low Grade Stockpiles – location	As shown in figure 2 of statement 717.
Mine Access Road	Unsealed.
Airstrip	Approximately 2000 metres long.

Features of changed Proposal:

Element	Quantities/Description
Mining Rate	22 Megatonnes per year.
Water Supply	8,000 kL/d (plus additional 300 kL/d for the mine camp). Supplied from the Orebody and Wittenoom Dolomite aquifers. Alternative borefield as an additional source via pipeline along infrastructure corridor.
Processing Plant	A dry plant with a crushing and screening circuit for 22 Megatonnes per year of ore.
Rail Spur	330 hectare footprint (See figures 1a and 1b).
Plant, Administration, Workshops, and Stockpiles – location	More central position in relation to the mine pits (See figures 1a and 3).
Village and Camp - Operational village capacity - Construction village capacity - Location	450 rooms. 850 plus a contingency in design for the potential addition of 150. See figure 3.
Waste Dumps, High Grade and Low Grade Stockpiles – location	As shown in figure 1a.
Mine access road	Bitumen sealed.
Airstrip	Not required - deleted from proposal.


Figures (attached)

Figures 1a and 1b – BS4 Project Layout (June 2007).

Figure 2 – Site Layout of BS4 Mine (Statement 717).

Figure 3 – BS4 Project – Camp Site and Plant Relocation (June 2007).

**Approved under delegation
from the Minister for the Environment:**


 EPA Chairman

Approval Date: 19 SEP 2007

7510000 mN

7507500 mN

7505000 mN

7502500 mN

535000 mE

532500 mE

530000 mE

527500 mE

525000 mE

522500 mE

7510000 mN

7507500 mN

7505000 mN

7502500 mN

535000 mE

532500 mE

530000 mE

527500 mE

525000 mE

522500 mE

HI **HAMERSLEY IRON PTY. LIMITED**

**BS4 Project
Camp Site and Plant Relocation**

FIGURE 3

NOMINAL SCALE 1:40 000

Projection: MGA94 Zone 50
Horizontal Datum: GDA94
Vertical Datum: AHD

0 0.4 0.8 1.2 1.6 2km

Compiled: TP
Date: June 2007
Plan No. PDE0017928V7

PER Camp Location

New Camp Location
as at 21/03/07

PER Plant Site

New Plant Site
as at 21/03/07



7510000 mN 7507500 mN 7505000 mN 7502500 mN 7500000 mN

HI **HAMERSLEY IRON**
PTY. LIMITED

BS4 Project Layout
(June 2007)

FIGURE 1a

NOMINAL SCALE 1:50 000
Projection: MGA84, Zone 50
Horizontal Datum: GDA84
Vertical Datum: AHD

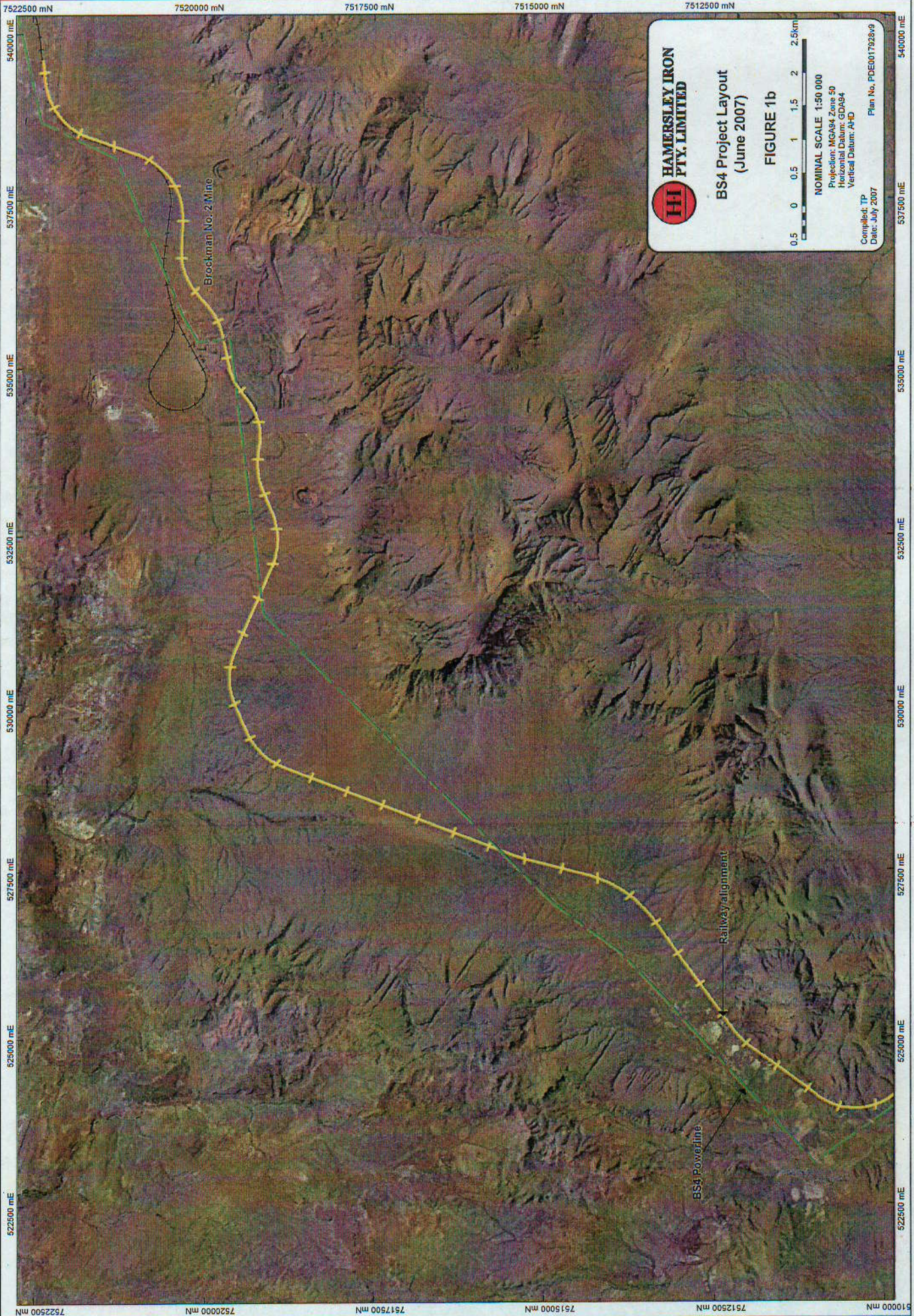
Completed: TP
Date: July 2007
Plan No. POE007928/9

532500 mE 530000 mE 527500 mE 525000 mE 522500 mE 520000 mE 517500 mE



532500 mE 530000 mE 527500 mE 525000 mE 522500 mE 520000 mE 517500 mE

7510000 mN 7507500 mN 7505000 mN 7502500 mN 7500000 mN



HAMERSLEY IRON PTY. LIMITED

BS4 Project Layout (June 2007)

FIGURE 1b

NOMINAL SCALE 1:50 000
 Projection: MGA94 Zone 50
 Horizontal Datum: GDA94
 Vertical Datum: AHD

Completed: TP
 Date: July 2007
 Plan No. PDE0179289

522500 mE 525000 mE 527500 mE 530000 mE 532500 mE 535000 mE 537500 mE 540000 mE

7522500 mN 7520000 mN 7517500 mN 7515000 mN 7512500 mN

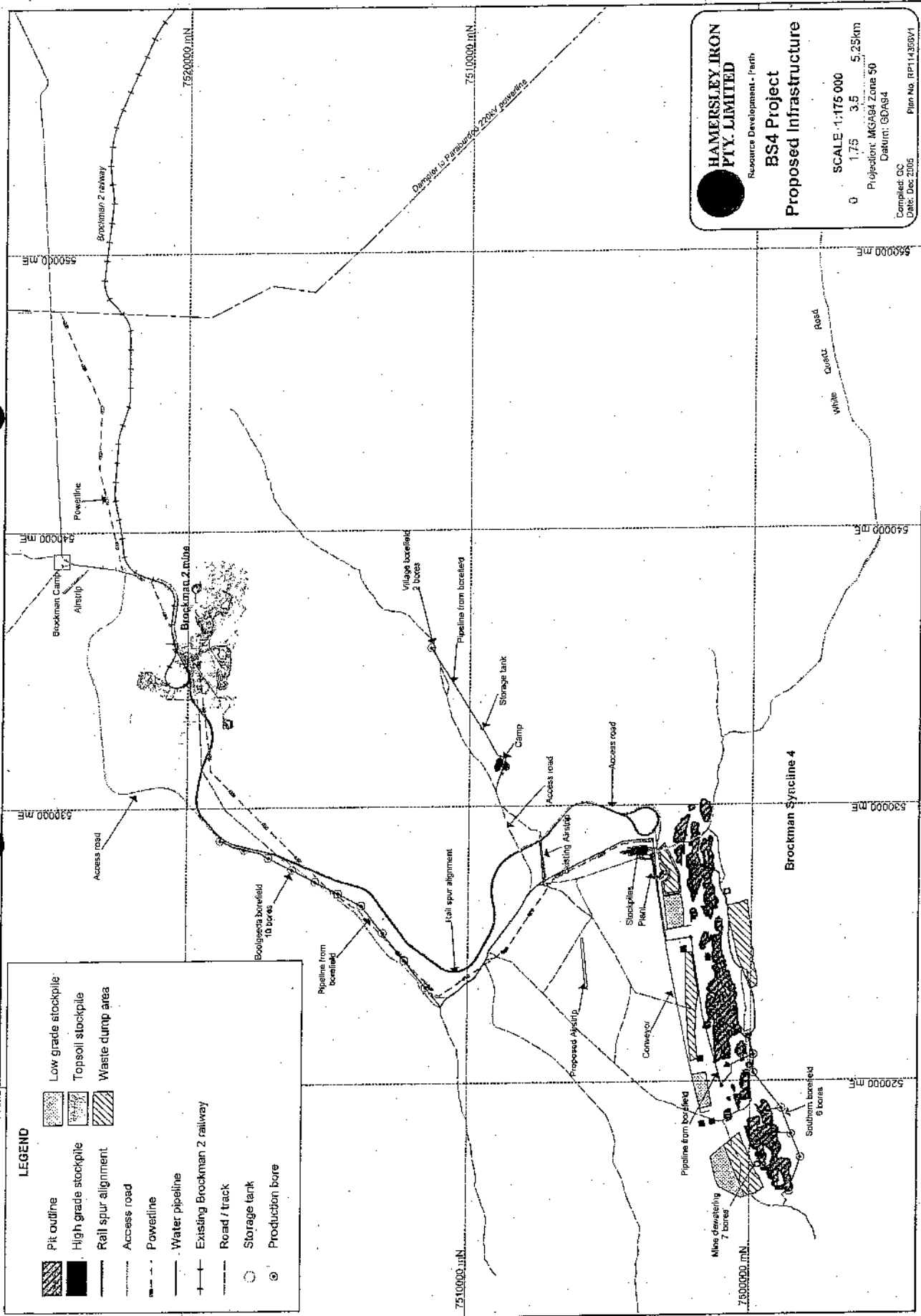


Figure 2: Site layout of BS4 mine

Attachment 2 to Statement 717

Change to Proposal

Proposal: Brockman Syncline 4 Iron Ore Project, 60 Km West-north-west of Tom Price, Shire of Ashburton

Proponent: Hamersley Iron Pty Limited

Changes: To change the route of the power line at its southern end to diverge from the rail infrastructure corridor and follow the Boolgeeda Valley and to change the power line capacity to 25 MW, operating at 33kV

Amendment of Schedule 1 – Key Proposal Characteristics

Features of previously approved Proposal:

Element	Description
Infrastructure	
Power Supply	13.5 MW supplied from the Dampier – Tom Price 220 kV transmission system via a 66 kV sub-transmission system. Power lines will approach the mine within the infrastructure corridor.

Abbreviations:

kV – kilo volts
MW – mega watts

Figure 2

Features of changed Proposal:

Element	Description
Infrastructure	
Power Supply	25 MW supplied from the Dampier – Tom Price 220 kV transmission system via a 33 kV sub-transmission system. Power lines will approach the mine within the infrastructure corridor, except at the southern end where the route diverges from the infrastructure corridor (Figure 4).

Abbreviations:

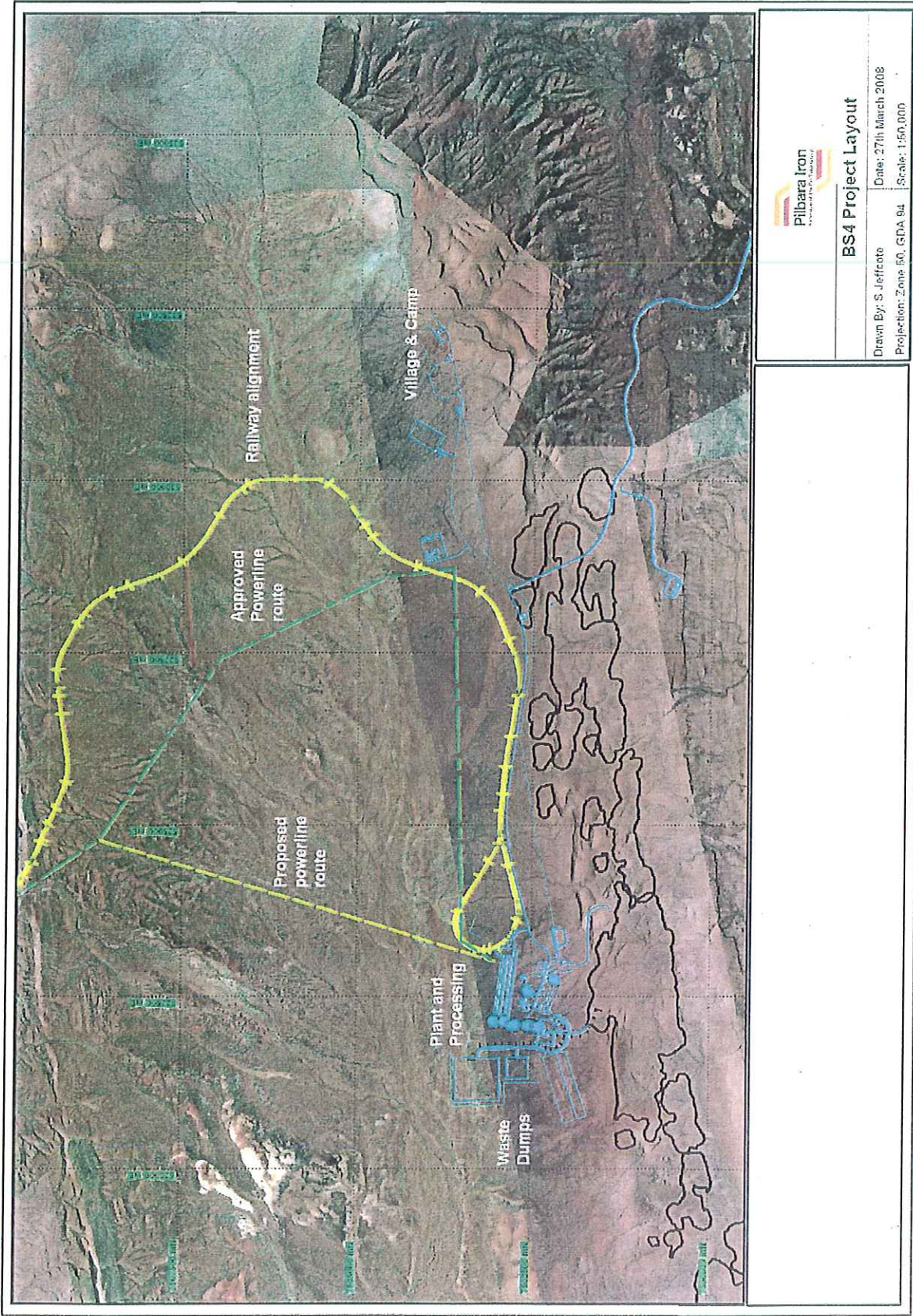
kV – kilo volts

MW – mega watts

Figure 4: Change to power line corridor route (route supersedes that shown in Figure 2 of statement 717 and Figure 1a of Attachment 1 to statement 717)

**Approved under delegation
from Minister for the Environment:**

Approval Date: 22-9-08




Pilbara Iron
 A subsidiary of BHP Billiton

BS4 Project Layout
 Drawn By: S. Jeffcoate | Date: 27th March 2008
 Projection: Zone 50, GDA 84 | Scale: 1:50,000

Figure 4: Change to power line corridor route (shown by yellow dash line)

Attachment 3 to Statement 717

Change to Proposal

Proposal: Brockman Syncline 4 Iron Ore Project, 60 km West-north-west of Tom Price, Shire of Ashburton

Proponent: Pilbara Iron (on behalf of Hamersley Iron Pty. Limited).

Change: An increase in throughput from 22 to 42 Megatonnes per year. Increase in waste dump height and additional locations. Plant, crusher, stockpiles, and camp and village. An increase in water usage. Mine access road. Product transport route.

Features of previously approved Proposal, as presented in Schedule 1

Element	Quantities/Description
Mining Rate	22 Megatonnes per year.
Water Supply	8,000 kL/d (plus additional 300 kL/d for the mine camp). Supplied from the Orebody and Wittenoom Dolomite aquifers. Alternative borefield as an additional source via pipeline along infrastructure corridor.
Processing Plant	A dry plant with a crushing and screening circuit for 20 Megatonnes per year of ore.
Product Transport	By rail via a 35 km long rail spur from the project area to Brockman 2 mine, then along the existing Brockman 2 rail spur and the main railway to port.
Plant, Administration, Workshops, and Stockpiles – location	As shown in figure 2 of statement 717.
Village and Camp - Operational village capacity - Construction village capacity - Location	450 rooms. 850. As shown in figure 2 of statement 717.
Waste Dumps High Grade and Low Grade Stockpiles – location	As shown in figure 2 of statement 717.
Mine Access Road	Unsealed.

Features of changed Proposal:

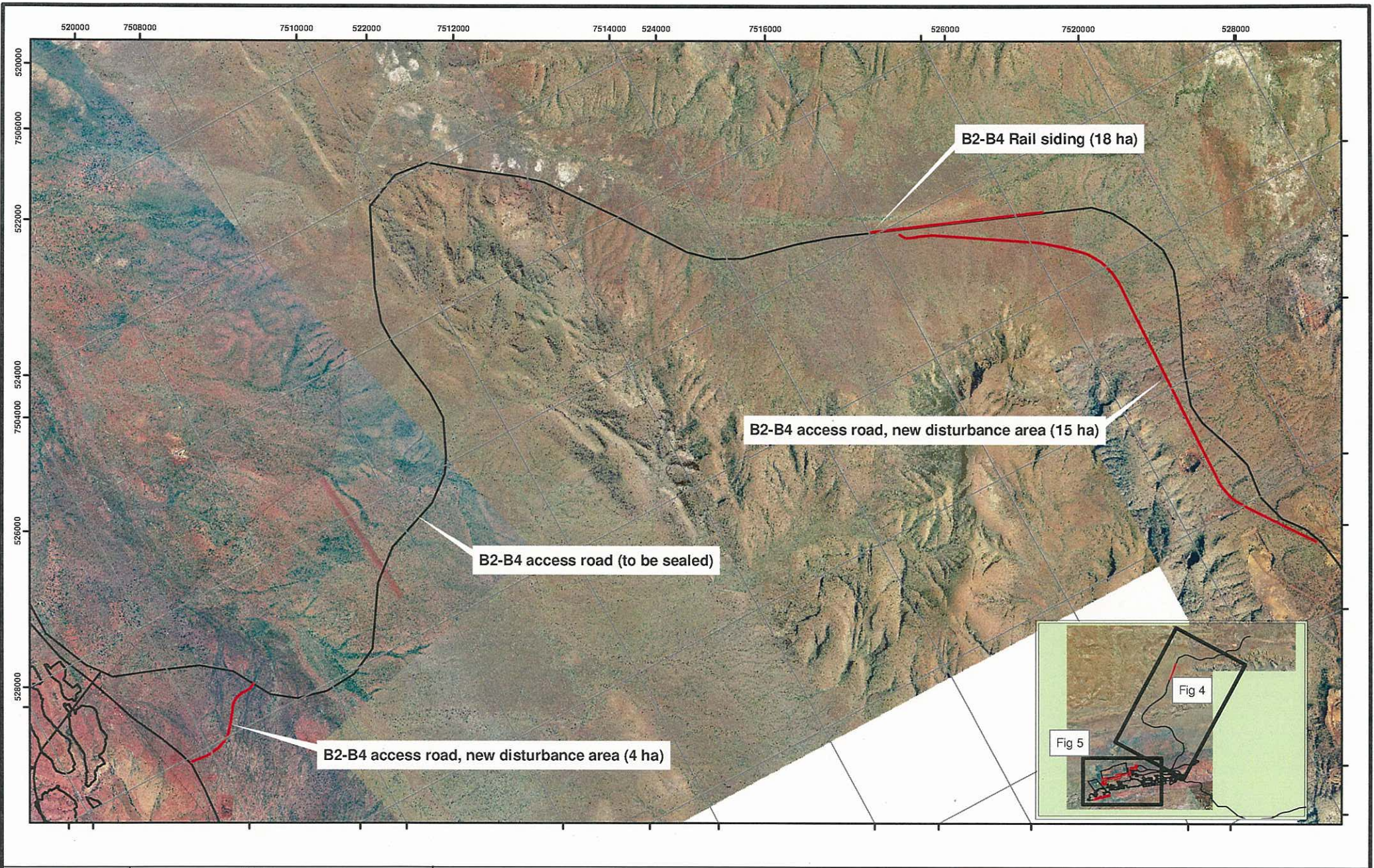
Element	Quantities/Description
Mining Rate	42 Megatonnes per year.
Water Supply	Supplied from the Orebody and Wittenoom Dolomite aquifers. Alternative borefield as an additional source via pipeline along infrastructure corridor. 4.38GL/annum (dust management) plus additional 0.15GL/annum for the mine camp.
Processing Plant	A dry plant with a crushing and screening circuit for a total 42 Megatonnes per year of ore.
Product Transport	By rail via a 35 km long rail spur from the project area to Brockman 2 mine, then along the existing Brockman 2 rail spur and the main railway to port including rail siding earthworks between Brockman 2 and BS4.
Plant, Administration, Workshops, and Stockpiles – location	Original site as shown in figure 2 of attachment 1 and a stockpile area adjacent to rail loop as shown in figure 5 of attachment 2 in statement 717.
Village and Camp - Operational village capacity - Construction village capacity	Total 570 rooms. Total 1350.
Waste Dumps High Grade and Low Grade Stockpiles – location Height	Original site as shown in figure 2 of attachment 1 and a stockpile area adjacent to rail loop as shown in figure 5 of attachment 2 in statement 717. Height of waste dumps to be total height of 50 m.
Mine access road	Construction of a sealed access road from BS2 that will mostly be provided by bitumen sealing of the approved BS4 infrastructure corridor service road (no additional footprint); some deviations from the approved track are required and these will create additional footprint.



Figures (attached)

Figure 4-5 – Site Layout of BS4 Mine (Proposed changes)

**Approved under delegation
from the Minister for the Environment**

Approval Date: 17.12.08.



	<p>Scale</p> <p>0 0.5 1 1.5 2 2.5 3</p> <p>Kilometres</p> 	<p>Fig 4 Approved mine layout and proposed changes</p>	<p>— Approved (notification) mine layout</p> <p>— Proposed changes</p>
	<p>Horizontal Datum: GDA 94</p> <p>Projection: MGA Zone 50</p>		
<p>Date: 11/06/08 1:50,000 at A3</p>	<p>Author: JM</p>	<p>Note that positional errors may occur in some areas</p>	<p>Source: Pilbara Iron Pty Ltd</p>

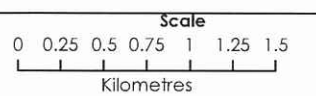
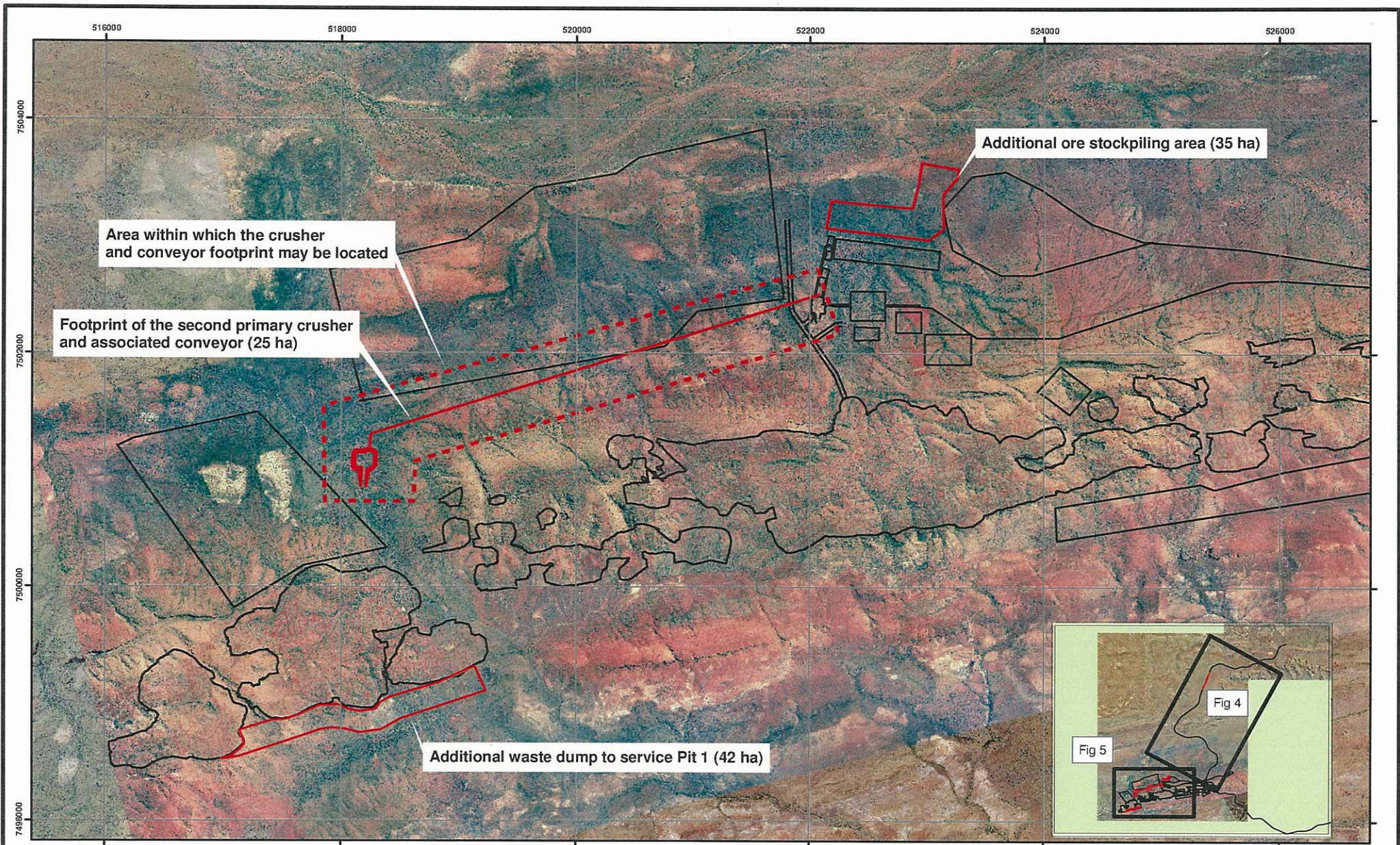


Figure 5 Proposed changes to BS4 mine

- Approved (notification) mine layout
- Proposed changes

Horizontal Datum: GDA 94 Projection: MGA Zone 50

Date: 11/06/08 1:30,000 at A3 Author: JAM Note that positional errors may occur in some areas

Source: Pilbara Iron Pty Ltd

File Location: C:\GIS\Consult\workdata for entry\2008\PIR - Pilbara Iron\PIR\08055.D1\atcm\map documents