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Published on: 9 October 2012

Statement No: 912

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

RED HILL QUARRY DEVELOPMENT, GIDGEGANNUP, CITY OF SWAN

Proposal: The proposal is to extend the existing Red Hill Quarry to the west (West Quarry Pit Extension Area A) and north-west (West Quarry Pit Extension Area B) of the current pit, and extend the existing stockpile and dispatch area, and install a quaternary crusher.

The proposal is further documented in Schedule 1 of this statement.

Proponent: Hanson Construction Materials Pty Ltd

Proponent Address: 123 Burswood Road
BURSWOOD WA 6100

Assessment Number: 1669

Report of the Environmental Protection Authority: 1381

Appeal Numbers: 016 to 018 of 2011

Related Ministerial Statements: 199 and 705

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

1. Proposal Implementation

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 Nomination and Contact Details

- 2-1 The proponent for the time being nominated by the Minister for Environment under sections 38(6) or 38(7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal.
- 2-2 The proponent shall notify the Chief Executive Officer of the Office of the Environmental Protection Authority (CEO) of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.

3. Time Limit of Authorisation

- 3-1 The authorisation to implement the proposal provided for in this statement shall lapse and be void five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.
- 3-2 The proponent shall provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.

4. Compliance Reporting

- 4-1 The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the CEO.
- 4-2 The proponent shall submit to the CEO the compliance assessment plan required by condition 4-1 at least six months prior to the first compliance report required by condition 4-6, or prior to implementation, whichever is sooner.

The compliance assessment plan shall indicate:

- 1. the frequency of compliance reporting;
 - 2. the approach and timing of compliance assessments;
 - 3. the retention of compliance assessments;
 - 4. the method of reporting of potential non-compliances and corrective actions taken;
 - 5. the table of contents of compliance assessment reports; and
 - 6. public availability of compliance assessment reports.
- 4-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.
 - 4-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the CEO.

4-5 The proponent shall advise the CEO of any potential non-compliance within seven days of that non-compliance being known.

4-6 The proponent shall submit to the CEO a compliance assessment report in February each year addressing the twelve month period from January to December of the previous year.

The compliance assessment report shall:

1. be endorsed by the proponent's State Manager - Quarries or a person delegated to sign on the State Manager's behalf;
2. include a statement as to whether the proponent has complied with the conditions;
3. identify all potential non-compliances and describe corrective and preventative actions taken;
4. be made publicly available in accordance with the approved compliance assessment plan; and
5. indicate any proposed changes to the compliance assessment plan required by condition 4-1.

5. Performance Review and Reporting

5-1 The proponent shall submit to the CEO a Performance Review Report at ten (10) yearly intervals after the start of implementation which addresses:

1. the major environmental risks and impacts; the performance objectives, standards and criteria related to these; the success of risk reduction/impact mitigation measures and results of monitoring related to management of the major risks and impacts;
2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology; and
3. improvements gained in environmental management which could be applied to this and other similar projects.

6. West Quarry Pit Extension Area B

6-1 The proponent shall not implement those parts of the proposal identified as West Quarry Pit Extension Area B on the attached plan at Figure 1. The coordinates for the West Quarry Pit Extension Area B are listed in Schedule 2.

7. Fauna Habitat

- 7-1 Prior to the commencement of the proposal, the proponent shall develop a mitigation program; in consultation with the Department of Environment and Conservation, for the potential impacts from implementation of the proposal to fauna habitat for significant species, including the foraging habitat for Black Cockatoos.
- 7-2 The proponent shall develop and implement a monitoring program for the duration of the proposal, in consultation with the Department of Environment and Conservation, to monitor the outcomes of the mitigation program required by condition 7-1, in relation to significant fauna.
- 7-3 Prior to undertaking vegetation clearing, the proponent shall employ suitably trained fauna handling personnel, to identify, remove and relocate significant fauna species from areas of disturbance in consultation with the Department of Environment and Conservation.
- Note: Suitably experienced fauna handling personnel should have at least five years relevant field experience in carrying out fauna relocations in the south west of Australia to the satisfaction of the CEO.
- 7-4 The fauna handling personnel shall obtain the appropriate licenses as required for fauna relocation under the *Wildlife Conservation Act 1950*.
- 7-5 The proponent shall report the findings of the monitoring program referred to in condition 7-2 in the compliance assessment report required by condition 4-6.

8. Dieback and Weeds

- 8-1 The proponent shall ensure that dieback disease (*Phytophthora* species) is not introduced as a direct or indirect result of implementation of the proposal into uninfected areas of the project area defined by the “red coloured line” in Figure 1.
- 8-2 Prior to the commencement of the proposal, the proponent shall undertake a survey of the project area to identify and map the location of any dieback infestations.
- 8-3 At the completion of the survey identified in condition 8-2, the proponent shall provide the results and map of dieback infestations to the CEO.
- 8-4 The proponent shall use the map produced from the survey required by condition 8-2 as a baseline map of previously identified dieback infestations when determining compliance with condition 8-1.
- 8-5 No new species of weeds (including both declared weeds and environmental weeds) shall be introduced into the project area defined by the “red coloured line” in Figure 1 as a result of the implementation of the proposal.

- 8-6 Prior to the commencement of the proposal, the proponent shall undertake a survey of the project area to identify and map the location of any known weed infestations.
- 8-7 The proponent shall use the map produced from the survey required by condition 8-6 as a baseline map of previously identified weed infestations when determining compliance with condition 8-5.
- 8-8 The proponent shall use the maps produced from the surveys required by condition 8-2 and 8-6 to produce a Hygiene Management Plan in consultation with the Department of Environment and Conservation, to ensure compliance with 8-1 and 8-5.
- 8-9 The proponent shall report on measures taken to achieve the requirements of conditions 8-1 and 8-5 in the compliance assessment report required by condition 4-6.

9. Dust Monitoring and Management

- 9-1 The proponent shall only detonate explosives on the premises when wind directions favour the carriage of dust away from residential areas to the west of the quarry, unless undertaken in accordance with the *Mines Safety and Inspection Regulations 1995*.
- 9-2 For the duration of the proposal, including construction activities, the proponent shall measure dust emissions at the western boundary of Lot 11 that is adjacent to the nearest sensitive receptor, which is identified in Figure 3, against an ambient PM₁₀ target of 50 micrograms per cubic metre averaged over a 24 hour period.
- Note: Dust monitoring should be conducted in accordance with Australian Standard AS/NZS 3580.1.1:2007 *Guide to siting air monitoring equipment*, to ensure the accuracy of data collected.
- 9-3 In the event that dust emission levels are in excess of the maximum allowable PM₁₀ target defined by condition 9-2, the proponent shall notify the CEO within seven days of the exceedence.
- 9-4 The proponent shall within fourteen days of the exceedence of the maximum allowable PM₁₀ target defined by condition 9-2 being recorded, provide a report to the CEO outlining the causes for the exceedence and management measures being implemented to ensure compliance with the requirements of condition 9-2.
- 9-5 The proponent shall report the results of measurement required in condition 9-2 in the compliance assessment report required by condition 4-6.
- 9-6 The proponent shall maintain a complaints register for the duration of the proposal and immediately investigate and alleviate any dust complaints.

10. Screening and Rehabilitation of West Quarry Pit Extension Area A

- 10-1 Prior to undertaking vegetation clearing, the proponent shall prepare a Screening and Rehabilitation Plan for all disturbed areas in West Quarry Pit Extension Area A (Figure 1) and associated stockpiles and overburden dumps, to the satisfaction of the CEO.
- 10-2 The objective of the Screening and Rehabilitation Plan required by condition 10-1 is to ensure that rehabilitation of the West Quarry Pit Extension Area A and associated stockpiles and overburden dumps achieves a stable and functioning landform which provides generally similar landscape characteristics having regard to the use of the land and which minimises visual impacts of the quarry operation on other land.
- 10-3 The Screening and Rehabilitation Plan required by condition 10-1 shall:
1. identify land within a six kilometre radius of the West Quarry Pit Extension Area A from which the quarry pit is visible;
 2. detail the screening and rehabilitation practices to be implemented over the life of the operations (including planting of indigenous vegetation) for West Quarry Pit Extension Area A and associated stockpiles and overburden dumps;
 3. specify the short and long term measures to be taken to address visual impacts from West Quarry Pit Extension Area A, particularly for land identified in 10-3-1; and
 4. specify time frames for the implementation of all screening and rehabilitation measures.
- 10-4 In preparing the Screening and Rehabilitation Plan required by condition 10-1 the proponent is to consult with owners and occupiers of the land referred to in condition 10-3-1.
- 10-5 The proponent shall implement the Screening and Rehabilitation Plan required by condition 10-1.
- 10-6 The proponent shall report the progress of conditions 10-1 to 10-5 in the compliance assessment report required by condition 4-6.
- 10-7 The proponent shall commission an Independent Specialist to assess the proponent's performance against the Screening and Rehabilitation Plan required by condition 10-1 at intervals no greater than two years, with the Independent Specialist's assessment report being provided to the CEO within 20 business days of it being received by the proponent.
- 10-8 The proponent shall make the Screening and Rehabilitation Plan required by condition 10-1 and the reports under conditions 10-6 and 10-7 publicly available in a manner approved by the CEO.

10-9 Screening and rehabilitation activities shall continue until such time as the CEO determines that the proponent's screening and rehabilitation responsibilities required by Condition 10 have been fulfilled.

11. Decommissioning and Closure

11-1 At least two years prior to the anticipated date of closure, or at a time approved by the CEO, the proponent shall submit a Final Decommissioning Plan designed to ensure that the site is suitable for future land uses, for approval by the CEO.

The Final Decommissioning Plan shall set out procedures and measures for:

1. decommissioning of all plant and equipment;
2. rehabilitation of all areas disturbed through implementation of the proposal (except the final quarry pit). Revegetation should be composed of native plant species of local provenance (defined as seed or plant material collected within 10 kilometres of the proposal); and
3. inventory of all contaminated sites and proposed management; and
4. final closure of all areas disturbed through implementation of the proposal so that they are safe, stable and non-polluting.

11-2 The proponent shall implement the Final Decommissioning Plan required by condition 11-1 until such time as the CEO determines that the proponent's decommissioning responsibilities have been fulfilled.

11-3 The proponent shall make the Final Decommissioning Plan required by condition 11-1 publicly available in a manner approved by the CEO.

12. Conservation of Native Vegetation

12-1 Prior to the commencement of clearing for this proposal, the proponent shall ensure that not less than 87 hectares of native vegetation, identified within the area shaded green in Figure 2 and delineated by the co-ordinates listed in Schedule 2 of this statement, is protected in perpetuity by an instrument or instruments approved by the CEO.

12-2 Within five years of the date of this statement, the proponent shall rehabilitate not less than 28 hectares of degraded area identified in Figure 2 and delineated by the co-ordinates listed in Schedule 2 of this statement, to the requirements of the CEO. Revegetation should be composed of native plant species of local provenance (defined as seed or plant material collected within 10 kilometres of the proposal)

13. Vibration Monitoring and Management

13-1 Prior to the commencement of ground disturbing activities for this proposal, the proponent shall prepare a Vibration Monitoring and Management Plan to the requirements of the CEO on the advice of the Department of Environment and Conservation.

The objective of this Plan is to manage blasting operations to ensure that Aboriginal heritage sites in West Quarry Pit Extension Area B, in particular the Ancestral Owl Stone, are not impacted by ground vibrations.

13-2 In preparing the Vibration Monitoring and Management Plan referred to in condition 13-1, the proponent is to consult with the Department of Indigenous Affairs and relevant local indigenous people.

13-3 The proponent shall implement the Vibration Monitoring and Management Plan referred to in condition 13-1, until such time as the CEO determines that the objective of the Plan has been achieved.

13-4 The proponent shall report the progress of conditions 13-1 to 13-3 in the compliance assessment report required by condition 4-6.

13-5 The proponent shall make the Vibration Monitoring and Management Plan required by condition 13-1 and the reports under condition 13-4 publicly available in a manner approved by the CEO.

[Signed 9 October 2012]

**HON BILL MARMION MLA
MINISTER FOR ENVIRONMENT; WATER**

The Proposal (Assessment No. 1669)

The proposal is to extend the existing Red Hill Quarry to the west (West Quarry Pit Extension Area A) and north-west (West Quarry Pit Extension Area B) of the current pit, and extend the existing stockpile and dispatch area, and install a quaternary crusher.

The main characteristics of the proposal are summarised in Table 1 below. A detailed description of the proposal is provided in the environmental review document, Red Hill Quarry Development - *Public Environmental Review* (June 2008).

Table 1: Summary of Key Proposal Characteristics

Element	Description
West Quarry Pit Extension Area A	No more than 32 hectares as shown in Figure 1 and delineated by the co-ordinates listed in Schedule 2.
West Quarry Pit Extension Area B	No more than 43 hectares as shown in Figure 1 and delineated by the co-ordinates listed in Schedule 2.
Extension of existing stockpile and dispatch area, and installation of a quaternary crusher.	No more than five (5) hectares as shown in Figure 1 and delineated by the co-ordinates listed in Schedule 2.

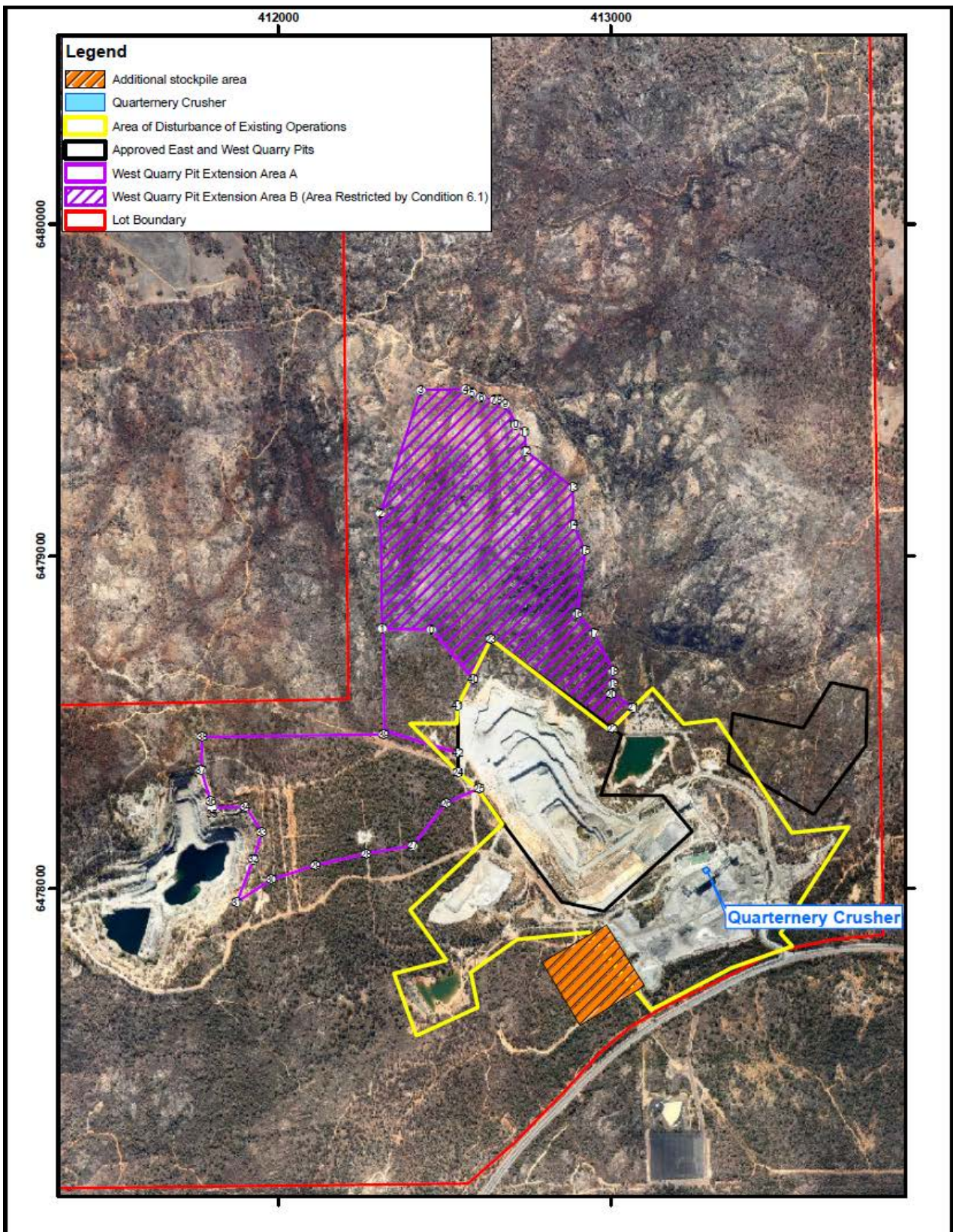
Figures

Figure 1: Proposal Area

Figure 2: Conservation Covenant and Rehabilitation Area

Figure 3: Sensitive Receptors

Figure 1: Proposal Area




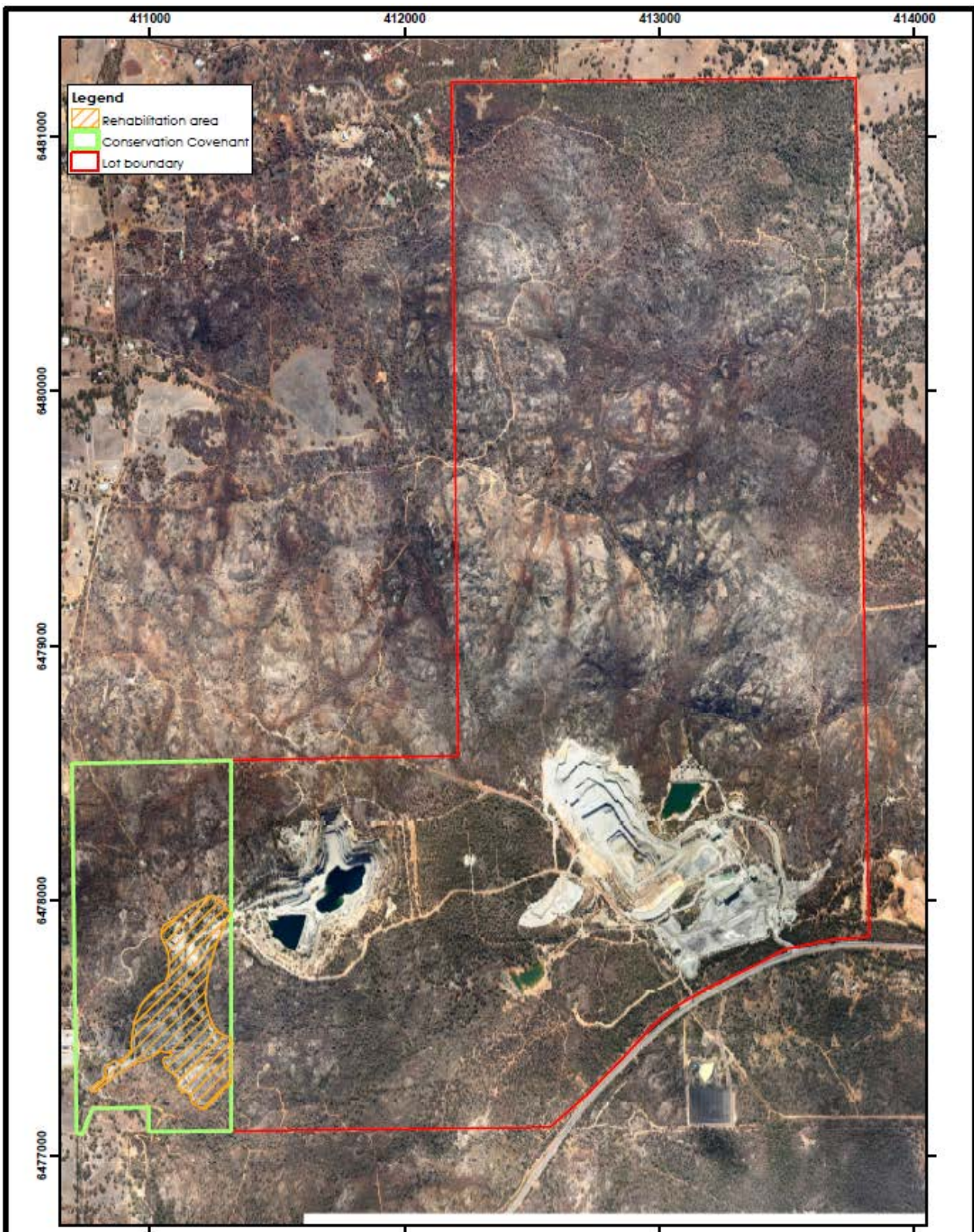
Proposal Area		
 <p>STRATEGEN info@strategen.com.au www.strategen.com.au</p>	<p>Scale</p> <p>0 250 500 750 1,000 m</p>	<p>1:15,000 at A4</p>
	<p>Coordinate System: GDA 1994 MGA Zone 50 Date: 8/02/2012 Author: Path: \\G:\01\gis\Consult\2011\XHAN\XHAN11028\ArcMap documents\Figure 1.mxd</p>	<p>Source: Imagery sourced from Nearmap_20/04/2011 Note that positional errors may occur in some areas</p>

Figure 2: Conservation Covenant and Rehabilitation Area




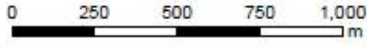
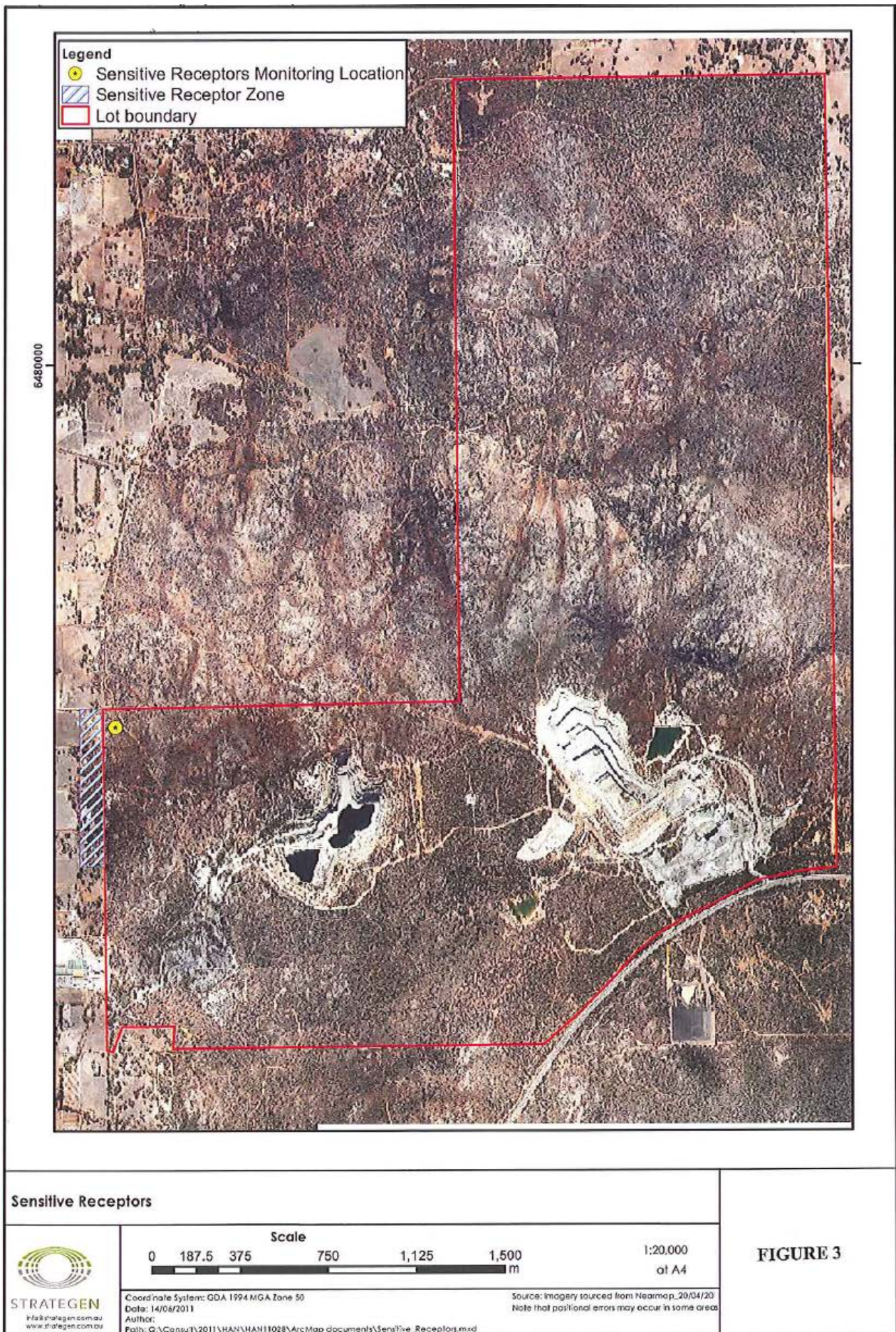
<p>Conservation Covenant and Rehabilitation Area within Ecological Corridor</p>		
 <p>STRATEGEN info@strategen.com.au www.strategen.com.au</p>	<p>Scale</p>  <p>0 250 500 750 1,000 m</p>	<p>1:20,000 at A4</p>
	<p>Coordinate System: GDA 1994 MGA Zone 50 Date: 3/10/2012 Author: J.Culivie Path: G:\GIS\Consult\2011\HAN\HAN11028\ArcMap documents\HAN11028_01_Conservation_Covenant\Rehab_area.mxd</p> <p>Source: Imagery sourced from Nearthmap_20/04/2011 Note that positional errors may occur in some areas</p>	

Figure 3: Sensitive Receptors



Co-ordinates

The correct recreation of the boundaries below requires the sequential connection of the co-ordinates as per its co-ordinate number.

All co-ordinates are listed in Map Grid of Australia Zone 50 (MGA Zone 50), datum of Geodetic Datum of Australia 1994 (GDA94).

Table 1: West Quarry Pit Extension Area A

Ref	Easting	Northing
1	412313	6478781
0	412461	6478779
40	412587	6478630
41	412540	6478550
42	412541	6478408
24	412541	6478349
25	412605	6478300
26	412505	6478257
27	412405	6478130
28	412264	6478104
29	412112	6478070
30	411980	6478026
31	411876	6477959
32	411926	6478088
33	411950	6478170
34	411901	6478246
35	411801	6478243
36	411797	6478262
37	411769	6478356
38	411771	6478456
39	412318	6478464

Table 2: West Quarry Pit Extension Area B

Ref	Easting	Northing
0	412461	6478779
1	412313	6478781
2	412308	6479128
3	412429	6479500
4	412566	6479503
5	412583	6479492
6	412611	6479478
7	412652	6479472
8	412667	6479472
9	412683	6479459
10	412715	6479397
11	412742	6479375

12	412745	6479317
13	412887	6479208
14	412888	6479095
15	412923	6479017
16	412900	6478827
17	412950	6478769
18	413009	6478656
19	413009	6478616
20	413002	6478585
21	413068	6478545
22	413005	6478482
23	412640	6478750
40	412587	6478630

Table 3: Stockpile extension and dispatch area, and quaternary crusher

Easting	Northing
412988E	6477889N
412794E	6477778N
412908E	6477587N
413103E	6477707N

Table 4: Conservation area (87 hectares)

Easting	Northing
410695.4E	6478537.9N
411319.3E	6478551.2N
411320.2E	6477952.9N
411320.2E	6477466N
411315.2E	6477281.1N
411319.3E	6477096.4N
410995.6E	6477093.2N
410995E	6477188.8N
410777.1E	6477185.7N
410714.4E	6477088.8N

Table 5: Rehabilitation area (28 hectares)

Easting	Northing
410763.5E	6477256.5N
410924.2E	6477404.3N
411061.9E	6477678.7N
411052.7E	6477896.4N
411236.5E	6478020.6N
411320.2E	6477952.9N
411228.8E	6477705.3N
411320.2E	6477466N

Easting	Northing
411315.2E	6477281.1N
411210.5E	6477183.2N
411083.7E	6477391.5N

Table 6: Sensitive receptors monitoring location

Easting	Northing
410747.27E	6478459.74N

Attachment 1 to Ministerial Statement 912

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

This Attachment replaces Schedule 1 of Ministerial Statement 912

Proposal: Red Hill Quarry Development, Gidgegannup, City of Swan

Proponent: Hanson Construction Materials Pty Ltd

Change:

- Increase the disturbance footprint of West Quarry Pit Extension Area A from 32 ha to 35.6 ha

Table 1: Summary of the Proposal

Proposal Title	Red Hill Quarry Development, Gidgegannup, City of Swan
Short Description	The proposal is to extend the existing Red Hill Quarry to the west (West Quarry Pit Extension Area A) and north-west (West Quarry Pit Extension Area B) of the current pit, and extend the existing stockpile and dispatch area, and install a quaternary crusher.

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

Element	Location	Previously Authorised Extent	Authorised Extent
West Quarry Pit Extension Area A	Figure 1	No more than 32 ha as shown in Figure 1 and delineated by the co-ordinates listed in Attachment 1.	No more than 35.6 ha as shown in Figure 1 and delineated by the co-ordinates referenced in Attachment 1.
West Quarry Pit Extension Area B	Figure 1	No more than 43 ha as shown in Figure 1 and delineated by the co-ordinates listed in Attachment 1.	No Change
Extension of existing stockpile and dispatch area, and installation of a quaternary crusher.	Figure 1	No more than five (5) ha as shown in Figure 1 and delineated by the co-ordinates listed in Attachment 1.	No Change

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

Table 3: Abbreviations

Abbreviation	Term
ha	hectare

Figures (attached)

Figure 1 Disturbance Footprint and Development Area for the Proposal

Coordinates defining the Approved Total Disturbance Area for the Red Hill Quarry, including West Quarry Pit Extension Area A and B, Stockpile extension and dispatch area, quaternary crusher, Conservation Area, and Rehabilitation area are held by the Department of Water and Environmental Regulation (Document Reference Number: DWERA - 1543978978906).

[Signed 12 December 2018]

Dr Tom Hatton

CHAIRMAN

Environmental Protection Authority
under delegated authority

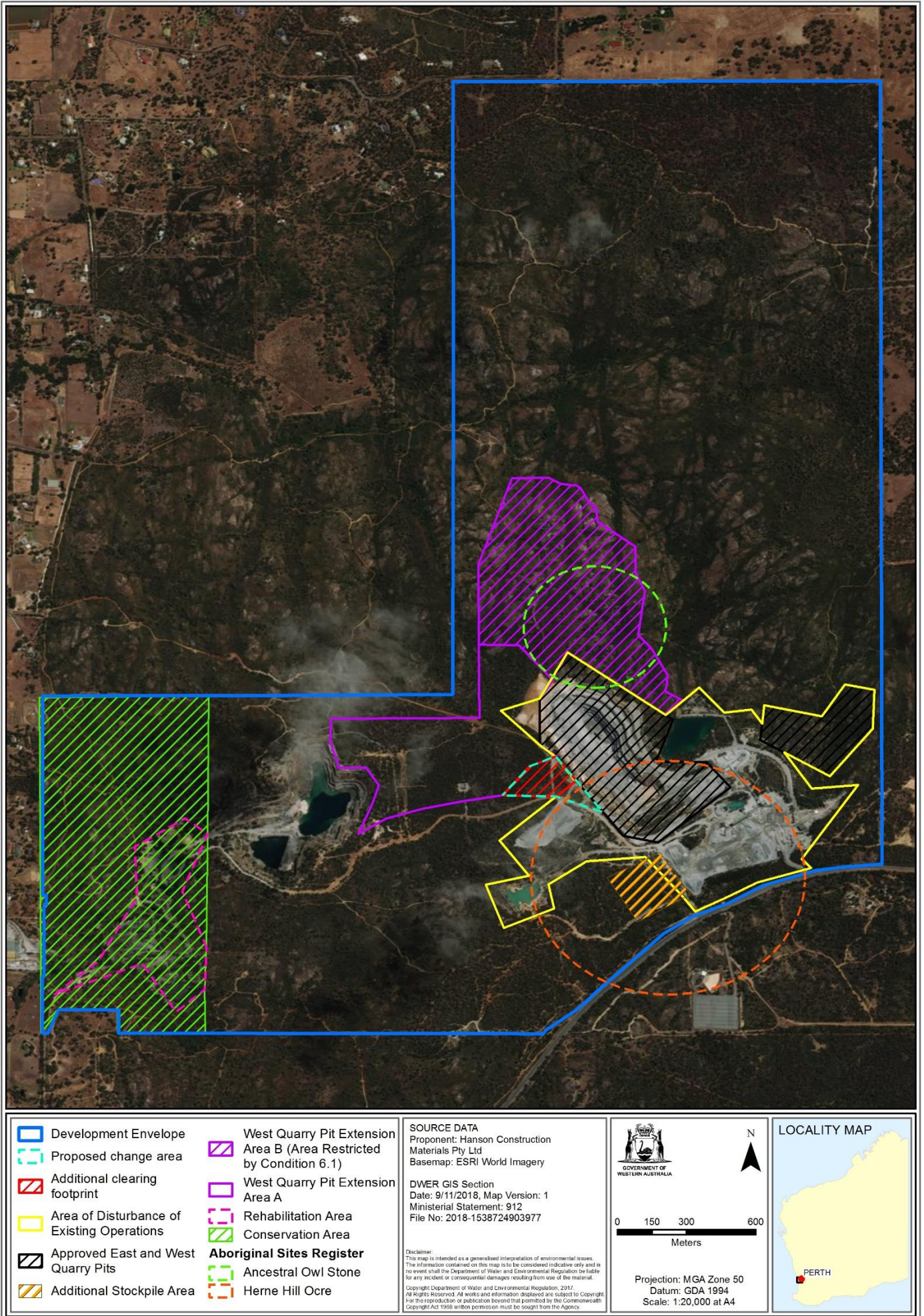


Figure 1: Disturbance Footprint and Development Area for the Proposal