



Shire of Northam  
*Heritage, Commerce and Lifestyle*

## **Shire of Northam**

### **Agenda**

### **Ordinary Council Meeting**

**17 May 2017**



**NOTICE PAPER**  
**Ordinary Council Meeting**  
**17<sup>th</sup> May 2017**

President and Councillors

I inform you that an Ordinary Council meeting will be held in the Council Chambers, located at 395 Fitzgerald Street, Northam on 17<sup>th</sup> May 2017 at 5:30pm.

There will be a Forum meeting held in the Council Chambers on 10<sup>th</sup> May 2017 at 5:30 pm to discuss the contents of this agenda.

Yours faithfully



**Jason Whiteaker**  
**Chief Executive Officer**

## DISCLAIMER

This agenda has yet to be dealt with by the Council. The Recommendations shown at the foot of each item have yet to be considered by the Council and are not to be interpreted as being the position of the Council. The minutes of the meeting held to discuss this agenda should be read to ascertain the decision of the Council.

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## 1. DECLARATION OF OPENING

## 2. ATTENDANCE

### Council:

Shire President  
Deputy Shire President  
Councillors

S B Pollard  
T M Little  
D G Beresford  
J E Williams  
J Proud  
R W Tinetti  
U Rumjantsev  
C R Antonio  
D A Hughes

### Staff:

Chief Executive Officer  
Executive Manager Engineering Services  
Executive Manager Development Services  
Executive Manager Community Services  
Executive Manager Corporate Services  
Executive Assistant – CEO

J B Whiteaker  
C D Kleynhans  
C B Hunt  
R Rayson  
C Young  
A C Maxwell

### 2.1 APOLOGIES

Nil.

### 2.2 APPROVED LEAVE OF ABSENCE

Cr C L Davidson has been granted leave of absence from 20<sup>th</sup> April 2017 to 15<sup>th</sup> May 2017 (inclusive).

## 3. DISCLOSURE OF INTERESTS

Item Name	Item No.	Name	Type of Interest	Nature of Interest

#### 4. ANNOUNCEMENT BY THE PRESIDING MEMBER (WITHOUT DISCUSSION)

<b>Visitations and Consultations:</b>	
23/4/17	York Motorcycle Festival to launch Avon Valley Motorcycle Friendly
24/4/17	Attend Last Post 6pm ceremony at Memorial Hall
25/4/17	ANZAC Day events in Northam and Grass Valley
28/4/17	WALGA Avon Midland Country Zone meeting in Toodyay
28/4/17	Conduct Citizenship Ceremony
1/5/17	WALGA Integrated Planning & Reporting training in Mundaring
2/5/17	Launch of Northam Boulevard redevelopment project
2/5/17	Meet with Regional Development Minister Alannah McTiernan
2/5/17	CEO Review Committee quarterly meeting
3/5/17	WA Regional Capitals Alliance meeting in Perth – Jason attended
3/5/17	ABC Radio re: Commissioner McKecknie's governance comments
8/5/17	Volunteering Week commences
8/5/17	Cunderdin Skateboarding event
9/5/17	Federal budget night
10/5/17	Strategic Community Plan major review draft findings workshop
11/5/17	SAT hearing re: materials recycling application planning rejection
12/5/17	Hon. Darren West MLC meeting on Shire matters
13/5/17	Mauravillo Estate family fun day
14/5/17	Mothers Day – Happy Mother's Day to our mothers
17/5/17	Main Roads WA presentation re: Bakers Hill Gt. Eastern Highway
17/5/17	Main Roads WA presentation re: Goomalling Road/Gt. East Highway
<b>Upcoming Events:</b>	
21/5/17	Wundowie Iron Festival
26/5/17	National Sorry Day
27/5 – 3/6/17	National Reconciliation Week – including the 50 <sup>th</sup> anniversary of aboriginal right to vote referendum
6/6/17	Shire Governance Review initial results released to President
12/6/17	AROC meeting in Toodyay
21/6/17	Shire Governance Review results Council workshop
23/6/17	WALGA Avon Midlands Country Zone meeting

## **Strategic matters**

### Corruption and Crime Commission

Commissioner McKecknie has expressed a concern that the ability of non Metro Councils to manage their governance responsibilities efficiently and effectively may not be as good as it needs to be. His views are no doubt partly informed by the recent Dowerin and Exmouth corruption cases that he heard. He noted that the Department of Local Government and Communities (DLGC) (as it was until recently) had 14 regional Councils flagged as being of high risk and a further 16 other regional Councils were on a watching brief. I believe this risk assessment level may be due to those smaller Councils having a relatively low population, high asset maintenance responsibilities and limited rate revenue raising capacity, relying heavily on Federal FAGS grants. Nonetheless, we are all on notice to ensure our governance processes and policies are as good as they need to be.

### Governance Review

On the topic of governance, the Shire will be receiving a report from consultants, the Australian Institute of Company Directors (AICD), this month which has been informed by a survey that Councillors, our CEO and Executive Managers have supplied. It will be interesting to see how we perceive that we are discharging our duties vs. best practice.

### Community Strategic Plan (CSP) 2012 - 2022

The appointed consultants will be conducting a workshop with Councillors this month prior to supplying a new draft CSP for adoption. The views gathered from recent community meetings have been analysed and help to inform our CSP. The current plan has previously been subject to a minor review however this is the statutory major review as we are half way through that 10 year plan.

### State Labor government

Jason and I were able to meet with the Minister for Regional Development Alannah McTiernan during her recent trip to Northam to launch the Perdaman Boulevard redevelopment project. We were able to confirm that tight State Government finances will mean any business cases submitted for grant funding must demonstrate a direct, non-government permanent job outcome to have any chance of support. We were able to demonstrate private investment was occurring in the Shire, due in no small part to State Government R4R seed financial assistance.

### WALGA Avon Midlands Country Zone

The WALGA State Council agenda and subsequent minutes are available from the WALGA website.

The last zone meeting looked at the following State Council agenda items:

5.1 Review of ESL



5.2 Interim submission on Government sewerage policy

5.3 Productivity Commission study into transitioning regional economies – post mining boom

Matters for noting were:

6.1 NDIS

6.2 Third party appeal rights – currently nil and intended to stay that way

6.3 Control of Off Road vehicles

6.4 Energy efficient street lighting

6.5 Local Government strategic purposes permit – around vegetation clearing

6.6 On Line voting for Local Government elections – possibly in the future

6.7 Municipal Waste Advisory Group (MWAC)

Reports from the renamed Agricultural Freight Group – previously the Grain Freight Group were presented.

It was also discussed that our involvement in the Healthy Wheatbelt group was unlikely to be of any benefit to our Shires so we have resolved to leave that group after 2 years effective 30<sup>th</sup> June. We all have involvement with District Health Advisory Groups (DHACs) and that was seen as a more effective strategic engagement option.

#### WA Regional Capitals Alliance (WARCA)

Following the recent decision of Council to seek to become members of WARCA, Jason attended their meeting this month. Topics included becoming an Incorporated Association, Insurance costs and coverage, State Minister lobbying strategy and results from the Federal umbrella organisation Regional Capitals Australia (RCA) funding requests. We are likely to become full members of this group from 1<sup>st</sup> July.

## 5. PUBLIC QUESTION/STATEMENT TIME

### 5.1 PUBLIC QUESTIONS

### 5.2 PUBLIC STATEMENTS

## 6. RESPONSE TO PREVIOUS PUBLIC QUESTIONS TAKEN ON NOTICE

Nil.

## 7. RECEIVING OF PETITIONS, PRESENTATIONS AND DEPUTATIONS

### 7.1 PETITIONS

Nil.

### 7.2 PRESENTATIONS

Nil.

### 7.3 DEPUTATIONS

Nil.

## 8. APPLICATION FOR LEAVE OF ABSENCE

Nil.

## 9. CONFIRMATION OF MINUTES

### 9.1 ORDINARY COUNCIL MEETING HELD 19<sup>TH</sup> APRIL 2017

#### RECOMMENDATION

That the minutes of the Ordinary Council meeting held on Wednesday, 19<sup>th</sup> April 2017 be confirmed as a true and correct record of that meeting, subject to the following amendment due to a typographical error:

- Decision No: C.2997  
The words '\$113,522' be replaced with '\$113,552'.

## 9.2 NOTES FROM THE COUNCIL FORUM MEETING HELD ON 10<sup>TH</sup> MAY 2017

### RECOMMENDATION

That Council receive the notes from the Council Forum meeting held Wednesday, 10<sup>th</sup> May 2017.

## 10. ITEMS BROUGHT FORWARD FOR THE CONVENIENCE OF THOSE IN THE PUBLIC GALLERY

## 11. REPORTS OF COMMITTEE MEETINGS

Refer to agenda item 13.3 - Receipt of Minutes from the Chief Executive Officer Review Committee Meeting held on 2<sup>nd</sup> May 2017.

## 12. OFFICER REPORTS

### 12.1 CEO'S Office

#### 12.1.1 2017 Western Australian Local Government Convention (WALGA) & Annual General Meeting

<b>Address:</b>	N/A
<b>Owner:</b>	N/A
<b>File Reference:</b>	1.6.5.5
<b>Reporting Officer:</b>	Jason Whiteaker Chief Executive Officer
<b>Responsible Officer:</b>	Jason Whiteaker Chief Executive Officer
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

The WALGA 2017 Local Government Convention and AGM will be held on Wednesday, 2<sup>nd</sup> August 2017. Council are required to consider;

1. Whether it wishes to submit a motion;
2. The appointment of its delegates to the 2017 WALGA Annual General Meeting; and
3. Attendance by Elected Members to the 2017 WALGA Convention & Exhibition.

#### ATTACHMENTS

Attachment 1: WALGA Notice of AGM

#### BACKGROUND / DETAILS

The Annual General Meeting (AGM) for the WA Local Government Association (WALGA) will be held as part of the Annual Local Government Week on Wednesday, 2<sup>nd</sup> August 2017 in Perth at the Perth Convention and Exhibition Centre.

The Council is provided with the opportunity to nominate up to two (2) voting delegates. Proxy voting is available if the nominated representative is unable to attend.

#### CONSIDERATIONS

#### Strategic Community / Corporate Business Plan

Objective G1: Provide accountable and transparent leadership.

### **Financial / Resource Implications**

Council makes an annual allocation for Elected Member conferences and training which will be sufficient to accommodate the costs of Elected Member attendance to the conference and / or AGM. The costs will also extend to accommodation if required. The costs associated for Elected Members attending will be utilised from account 04042052.

### **Legislative Compliance**

Nil.

### **Policy Implications**

It is requested that Council note that Policy G1.2 details that the costs for Councillors shall be paid for the duration of the conference, including allowing Councillors to arrive the day before the start of the conference and depart the day following the close of the conference. In addition the Councillor shall meet directly, all attending partner's expenses at the conference other than for attendance at the official opening, welcoming address and conference dinner if applicable.

### **Stake Holder Engagement / Consultation**

Nil.

### **Risk Implications**

Nil.

### **OFFICER'S COMMENT**

Local Government Week will be held at the Perth Convention Exhibition Centre commencing on Wednesday, 2<sup>nd</sup> August 2017 and finishing on Friday, 4<sup>th</sup> August 2017. The information brochure has been included as Attachment 1 of this report.

Local Government Week also offers Elected Member training opportunities. Details of the various Local Government Week sessions and training opportunities are detailed in Attachment 1 of this report.

The Shire President and the Deputy President have previously represented Council as voting delegates for the WALGA Annual General Meeting.

All Councillors are encouraged to attend the State Annual Conference as an opportunity for professional development and a way of increasing awareness of issues facing local government and finding alternative solutions to local issues.

## RECOMMENDATION

### That Council:

1. Do not submit a motion for the 2017 WA Local Government Association Annual General Meeting to be held on Wednesday, 2<sup>nd</sup> August 2017;
2. Nominate the Shire President and Deputy Shire President as voting delegates at the 2017 WA Local Government Association Annual General Meeting; and
3. Authorises interested individual Elected Members and partners, in accordance with the Shire of Northam Policy (G1.2), to attend Local Government Week 2017, requiring notification of attendance submitted to the Executive Assistant - CEO prior to 4.00pm on Friday, 30<sup>th</sup> June 2017 to allow for the completion of online registrations.

## Attachment 1

SHIRE OF NORTHAM RECEIVED - 5 APR 2017	
FILE <i>L.6.5.5</i>	STATUS <i>OUT</i>
DOC <i>I.6.6826</i>	RES No. <i>Jason</i>



4 April 2017

Our Ref: 01-003-02-0003 AF

Mr Jason Whiteaker  
Chief Executive Officer  
Shire of Northam  
(DX 61112) PO Box 613  
NORTHAM WA 6401

Dear Jason

### NOTICE OF ANNUAL GENERAL MEETING 2017

The Annual General Meeting for the Western Australian Local Government Association (WALGA) will be held on **Wednesday 2 August 2017** as part of the Local Government Convention. The meeting will be held at the Perth Convention Exhibition Centre, 21 Mounts Bay Road, Perth.

Notice of the Annual General Meeting is enclosed, together with general information on the meeting and guidelines for the preparation and submission of motions.

Please note that the closing date for submissions of motions is **Monday 5 June 2017**. Any motions proposing alterations or amendments to the Association's Constitution must be received by **Friday 12 May 2017** in order to satisfy the 60 day constitutional notice requirements.

The 2017 Local Government Convention is the premier event for Elected Members and Officers within Local Government. The Association's Annual General Meeting, as an integral part of this event, is a critical forum for mobilising the views of Western Australian Councils, confronting emerging issues and developing directions forward for our sphere of government.

For enquiries, please contact Ana Fernandez, Executive Officer, Governance or via email [afernandez@walga.asn.au](mailto:afernandez@walga.asn.au).

Yours sincerely



**Ricky Burges**  
Chief Executive Officer

Enclosure: Notice of AGM

ONE70  
LV1, 170 Railway Parade, West Leederville, WA 6007  
PO Box 1544, West Perth, WA 6872  
T: (08) 9213 2000 F: (08) 9213 2077 [info@walga.asn.au](mailto:info@walga.asn.au)  
[www.walga.asn.au](http://www.walga.asn.au)



# Notice of Annual General Meeting

and  
Procedural Information  
for Submission of Motions

Perth Convention and Exhibition  
Centre

**Wednesday, 2 August 2017**

Deadline for Agenda Items

(Close of Business)

Monday 5 June 2017





## 2017 Local Government Convention General Information

The 2017 Local Government Convention will be held at the Perth Convention and Exhibition Centre (PCEC) from 2 August to 4 August 2017. The tentative schedule for the Convention is as follows:

<u>Tuesday, 1 August</u>	<u>START</u>	<u>FINISH</u>
Mayors and Presidents Forum Mayors and Presidents Reception	3.30 pm 5.30 pm	5.30 pm 7.00 pm
<u>Wednesday, 2 August</u>		
State and Local Government Forum	8.30 am	12.30 pm
Registration for AGM and collection of voting keypads	10.00 am	1.30 pm
Honour Recipients Luncheon	12.00 pm	1.00 pm
WALGA AGM (including Honours Awards Presentations)	1.30 pm	5.30 pm
Convention Opening Welcome Reception	5.30 pm	7.00 pm
<u>Thursday, 3 August</u>		
ALGWA AGM and Breakfast	7.00 am	8.30 am
Opening and Convention Sessions	9.00 am	5.30 pm
Sundowner	5.30 pm	7.00 pm
<u>Friday, 4 August</u>		
Convention Breakfast with Matthew Pavlich	7.30 am	8.45 am
Convention Sessions	9.00 am	3.30 pm
Convention Gala Dinner	7.00 pm	11.30 pm

Further details are contained in the Registration Brochure which will be distributed to all Local Governments in May.

### WALGA Annual General Meeting

The Annual General Meeting for the Western Australian Local Government Association will be held from 1.30 pm to 5.30 pm on Wednesday, 2 August 2017. This event should be attended by delegates from all Member Local Governments.

### Cost for attending the Annual General Meeting

Attendance at the Annual General Meeting is **free of charge** to all Member Local Governments; lunch is not provided. All Convention delegates must register their attendance in advance. Registration for the Opening Welcome Reception that evening must also be notified in advance and will incur a \$60 cost for those not registered as a Full Delegate.



### Submission of Motions

Member Local Governments are hereby invited to submit motions for inclusion on the Agenda for consideration at the 2017 Annual General Meeting. Motions should be submitted in writing to the Chief Executive Officer of WALGA.

The closing date for submission of motions is **COB Monday, 5 June 2017**. *Please note that any motions proposing alterations or amendments to the Constitution of the WALGA must be received by COB Friday, 12 May 2017 in order to satisfy the 60 day constitutional notification requirements.*

The following guidelines should be followed by Members in the formulation of motions:

- Motions should focus on policy matters rather than issues which could be dealt with by the WALGA State Council with minimal delay.
- Due regard should be given to the relevance of the motion to the total membership and to Local Government in general. Some motions are of a localised or regional interest and might be better handled through other forums.
- Due regard should be given to the timeliness of the motion – will it still be relevant come the Local Government Convention or would it be better handled immediately by the Association?
- The likely political impact of the motion should be carefully considered.
- Due regard should be given to the educational value to Members – i.e. does awareness need to be raised on the particular matter?
- The potential media interest of the subject matter should be considered.
- Annual General Meeting motions submitted by Member Local Governments must be accompanied by fully researched and documented supporting comment.

### Criteria for Motions

As per the Corporate Governance Charter, prior to the finalisation of the agenda, the WALGA Executive Committee will determine whether motions abide by the following criteria:

Motions will be included in the Business Paper agenda where they:

1. Are consistent with the objects of the Association (refer to clause 3 of the constitution);
2. Demonstrate that the issue/s raised will concern or are likely to concern a substantial number of Local Governments in WA.;
3. Seek to advance the Local Government policy agenda of the Association and/or improve governance of the Association;
4. Have a lawful purpose (a motion does not have a lawful purpose if its implementation would require or encourage non-compliance with prevailing laws);
5. Are clearly worded and unambiguous in nature;

Motions will not be included where they are:

6. Consistent with current Association advocacy/policy positions. (As the matter has previously considered and endorsed by the Association).



Motions of similar objective:

7. Will be consolidated as a single item.

Submitters of motions will be advised of the Executive Committee's determinations.

Enquiries relating to the preparation or submission of motions should be directed to Ana Fernandez, Executive Officer Governance on 9213 2013 or via email [afernandez@walga.asn.au](mailto:afernandez@walga.asn.au).

### Emergency Motions

No motion shall be accepted for debate at the Annual General Meeting after the closing date unless the Association President determines that it is of an urgent nature, sufficient to warrant immediate debate, and delegates resolve accordingly at the meeting. Please refer to the AGM Standing Orders for details.



**President Cr Lynne Craigie**  
President



**Ricky Burges**  
Chief Executive Officer

# EMAIL BACK

## Voting Delegate Information 2017 Annual General Meeting



TO: Chief Executive Officer

Registered:

All Member Councils are entitled to be represented by two (2) voting delegates at the Annual General Meeting of the WA Local Government Association to be held on Wednesday, **2 August 2017** at the Perth Convention Centre.

Please complete and return this form to the Association by Monday, **3 July 2017** to register the attendance and voting entitlements of your Council's delegates to the Annual General Meeting.

In the event that a Voting Delegate is unable to attend, provision is made for proxy delegates to be registered.

Only registered delegates or proxy registered delegates will be permitted to exercise voting entitlements on behalf of Member Councils. Delegates may be Elected Members or serving officers.

**Please Note:** All Voting Delegates, whether registered for the Convention or not, will need to present at the WALGA Delegate Service Desk prior to the AGM to collect their electronic voting device (keypad) for voting and identification tag to gain entry into the Annual General Meeting.

VOTING DELEGATES	PROXY Voting Delegates (2)
Name of Voting Delegates (2): ..... .....	Name of Proxy Voting Delegates (2): ..... .....
<p>For (Local Government Name): Shire/Town/City of .....</p> <p>Signature Chief Executive Officer _____                      (An electronic signature is <u>required</u> if submitting via email)</p> <p style="text-align: right;">Date _____</p>	

ON COMPLETION PLEASE EMAIL TO: [afernandez@walga.asn.au](mailto:afernandez@walga.asn.au)

Ana Fernandez, Executive Officer Governance

## 12.2 ENGINEERING SERVICES

### 12.2.1 Draft 2017/18 Plant & Vehicle Replacement Program

<b>Address:</b>	N/A
<b>Owner:</b>	Shire of Northam
<b>File Reference:</b>	6.4.3.1
<b>Reporting Officer:</b>	Clinton Kleynhans Executive Manager Engineering Services
<b>Responsible Officer:</b>	Clinton Kleynhans Executive Manager Engineering Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

For Council to review and endorse the proposed Plant & Vehicle Replacement Program for inclusion in the Draft 2017/2018 Annual Budget.

#### ATTACHMENTS

Attachment 1: 2017/18 Plant & Vehicle Replacement Program.

#### BACKGROUND / DETAILS

The plant & vehicles identified to be replaced in 2017/18 annual budget period are those which have reached their useful life expectancy / serviceability threshold in accordance with the *Western Australian Local Government Accounting practices - Section 9 - Asset Accounting*.

#### CONSIDERATIONS

##### Strategic Community / Corporate Business Plan

Objective R1: Provide and support an effective and efficient transport network.

Strategy R1.1: Plan for the provision and delivery of transport services and infrastructure in the Shire in close consultation with the State and Federal governments and the local community.

Strategy R1.2: Maintain an efficient, safe and quality road network.

##### Financial / Resource Implications

The following table outlines how the proposed 2017/ 8 program compares to that of recent years.

	Actuals 2010/11	Actuals 2011/12	Actuals 2012/13	Actuals 2013/14	Actuals 2014/15	Actuals 2015/16	Actuals 2016/17	(Budget) 2017/18	LTFP 17/18
Plant Replacement	1,504,795	982,580	1,444,445	1,102,102	783,309	\$ 865,322	\$ 878,756	\$ 954,896	\$ 1,000,000
Proceeds -	426,631	299,000	539,550	411,920	168,402	-\$ 313,597	-\$ 186,756	-\$ 382,363	-\$ 450,000
Net Cost to Council	1,078,164	683,580	904,895	690,182	614,907	\$ 551,725	\$ 692,000	\$ 572,533	\$ 550,000
Less contributions:								-\$ 83,857	
To reserve	235,000	230,000	230,000	202,480	360,000	\$ 250,000	\$ 230,000	\$ 227,871	\$ 227,871
From reserve -	740,887	42,545	415,750	320,436	520,474	-\$ 350,000	-\$ 480,252	-\$ 362,000	-\$ 300,000
Net Cost to Council	572,277	871,035	719,145	572,226	454,433	\$ 451,725	\$ 441,748	\$ 354,547	\$ 477,871

Note: 2016/ 17 Actuals exclude the following items which are still yet to be traded:

- P242 – Trailer;
- PN1205 – Ute; and
- Posi track attachment (new).

Key funding sources will include:

- \$33,318 (50%) to be funded by DFES for PN1505;
- \$62,000 to be funded by Community Bus Replacement Reserve for PN009 (purchase and reserve transfer are brought forward from 2018/19);
- \$50,539 to be funded by HACC (Home and Community Care) for PN0820 (purchase and reserve transfer are brought forward from 2018/19);
- \$300,000 to be funded from Plant & Equipment Reserve (estimated balance as of June 2018 of \$282,000); and

### Legislative Compliance

*Local Government Act 1995, Part 6 – Financial Management, Clause 6.1 Annual Budget.*

### Policy Implications

Nil.

### Stake Holder Engagement / Consultation

N/A.

### Risk Implications

N/A.

### OFFICER'S COMMENT

Included in the proposed replacement program are a number of notable or additional items which will aid the Shire in achieving expected outcomes.

PN1218 – This truck will be upgraded to a 9 Tonne truck which will provide more opportunity to utilise as an additional truck for hauling gravel material for construction works.

PN3555 – This backhoe will be replaced with a newer model as it is optimum time to replace.

PN1224 & PN1302 – These mowers have had continual maintenance issues causing downtime. They will both be traded for a single preferred mower.

PN1505 – The current CEM vehicle a 4WD Station Wagon while it can carry 4 people and a fridge in the back, it is limiting in the context of being unable to allow staff to manage or support volunteers at the incident. The replacement vehicle has one side for Incident Management fitted with a desk, whiteboard, Radios and communication equipment, printer and screen for operational maps, weather reports, situation reports and communication with firefighters on the ground and air support above.

The other side is to provide support to the fire fighters with a fridge cold water and drinks. Draws with food, snacks, first aid, sunscreen and other essentials not carried on our current Bushfire appliances. The centre of the vehicle is filled with fire fighting and safety equipment such as street signage to warn traffic of an incident ahead, Suction pump for drawing water from tanks or dams, Jerry cans of fuel, standpipes and hoses and many other pieces of equipment.

PN009 – The community bus has had ongoing maintenance issues making it unreliable to hire to the community. It is also an optimum time to replace.

## RECOMMENDATION

### That Council:

#### 1. Endorse the following listed plant and equipment replacement program to be included in the 2017/2018 Draft Annual Budget:

Plant #	Detail	Trade description	Purchase	Proceeds	Change over
PN121 8	MITSUBISHI FUSO	To be upgraded to 9T	\$120,000	\$45,000	\$75,000
PN355 5	2008 BL71 BACK HOE LOADER	Trade for similar	\$184,835	\$50,000	\$134,835
PN122 1	HINO 500 SERIES 4T	Trade for similar	\$92,135	\$45,000	\$47,135
PN122 4	FERRIS MOWER	Combine with PN1302 and trade for single mower	\$26,950	\$5,500	\$21,450
PN122 2	HINO 300 SERIES 3.5T	Trade for similar	\$78,745	\$43,000	\$35,745
PN130 2	FERRIS MOWER 2015 FORD	Combine with PN1222 and trade for single mower	\$ -	\$5,500	-\$5,500
PN150 3	RANGER UTE XL MANUAL 4X4	Trade for similar	\$40,000	\$23,636	\$16,364
PN150 5	MITSUBISHI CHALLENGER 2015 WHITE	To be upgraded to suit operational needs	\$89,363	\$22,727	\$66,636
PN150 6	ISUZU MU-X SILVER STNSDN DIESEL	Trade for similar	\$45,000	\$30,000	\$15,000
PN009 PN150	TOYOTA COASTER BUS (COMMUNITY BUS)	Trade for similar	\$120,903	\$45,000	\$75,903
PN150 8	2015 MITSUBISHI OUTLAND PHEV	Trade for similar	\$45,000	\$25,000	\$20,000
PN082 0	KILLARA TOYOTA HIACE COMMUTER	Trade for similar	\$73,539	\$23,000	\$50,539
PN141 1	TOYOTA HILUX TTOP 2015 WHITE	Trade for similar	\$38,426	\$19,000	\$19,426
					\$572,533

#### 2. Endorse the following funding sources be utilised to deliver the proposed 2017/18 Plant and Vehicle Replacement Program.

- PN 1505 to be 50% funded by DFES (50%) - estimated \$33,318;
- PN 009 to be funded by Community Bus Replacement Reserve - estimated \$62,000;
- PN0820 to be funded by HACC (Home and Community Care) - estimated \$50,539; and
- \$300,000 to be funded from Plant & Equipment Reserve



Attachment 1

2017/18 Plant & Vehicle Replacement Program

SHIRE OF NORTHAM PLANT REPLACEMENT SCHEDULE (GST EXCLUSIVE)						Year 2		
						2017-18		
Plant #	Date Purchas	KM's / Hrs	Detail	Department	Purchase	Proceeds	Change over	
PN1218	7/03/2013	77560	N10759 MITSUBISHI FUSO	Engineering	120,000	45,000	75,000	
PN3555	11/12/2007	1324	PN3555 BL71 BACK HOE LOADER 2008	Engineering	184,835	50,000	134,835	
PN1221	23/05/2013	97104	N4012 HINO 500 SERIES 4T	Engineering	92,135	45,000	47,135	
PN1224	30/06/2013	670	FERRIS MOWER	Engineering	26,950	5,500	21,450	
PN1222	23/05/2013	52823	N4013 HINO 300 SERIES 3.5T	Engineering	78,745	43,000	35,745	
PN1302	1/07/2013	309	FERRIS MOWER	Engineering	0	5,500	-5,500	
PN1503	8/09/2015	103395	FORD RANGER UTE XL MANUEL 4X4 3.2LT 2015 (PN1503)(N11120)	Engineering	40,000	23,636	16,364	
PN1505	19/10/2015	61385	MITSUBISHI CHALLENGER 2015 WHITE (N11129)(PN1505)	Development	89,363	22,727	66,636	
PN1506	13/10/2015	33182	ISUZU MU-X SILVER STNSDN DIESEL (N.4030) (PN1506)	Development	45,000	30,000	15,000	
PN009	29/05/2007	110726	N.009 TOYOTA COASTER BUS (COMMUNITY)	Community	120,903	45,000	75,903	
PN1508	23/10/2015	52416	PN1508 2015 MITSUBISHI OUTLAND PHEV ARCTIC SILVER N11131	Community	45,000	25,000	20,000	
PN0820	9/04/2009	116069	KILLARA TOYOTA HIACE COMMUTER	Community	73,539	23,000	50,539	
PN1411	25/05/2015	52475	TOYOTA HILUX TTOP 2015 WHITE (N11075)(RECREATION MGR)	Community	38,426	19,000	19,426	
			<b>TOTALS</b>		0	954,896	382,363	<b>572,533</b>
						a DFES Subsidy		-33318
						b reserve		-62000
						c Killara		-50539
				Revised Total		954,896	382,363	<b>426,676</b>
						<b>NOTE: Budget estimate excludes a Mini Excavator for a prososed new drainage crew which is the subject of another report at a later date. Estimate value \$95,000</b>		

### 12.5.2 2017/18 & 2018/19 Footpath Program

<b>Address:</b>	N/A
<b>Owner:</b>	Shire of Northam
<b>File Reference:</b>	6.1.2.13
<b>Reporting Officer:</b>	Geordas Thariyath Asset Manager
<b>Responsible Officer:</b>	Clinton Kleynhans Executive Manager Engineering Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

This program provides the proposed locations identified for the Footpath Construction Program to be included in the draft 2017/18 budget and 2018/19 consideration list.

#### ATTACHMENTS

Attachment 1: Footpath Program.

Attachment 2: Location maps.

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#### BACKGROUND / DETAILS

On the 18<sup>th</sup> May 2016 Council endorsed a 2 year program which was inclusive of the proposed locations for the 2017/18 footpath program.

These proposed locations have now been costed in detail and are the subject of this report.

#### CONSIDERATIONS

##### Strategic Community / Corporate Business Plan

Objective R1: Provide and support an effective and efficient transport network.

Strategy R1.1: Plan for the provision and delivery of transport services and infrastructure in the Shire in close consultation with the State and Federal governments and the local community.

Strategy R1.2: Maintain an efficient, safe and quality road network.

##### Financial / Resource Implications

The annual allocation for footpath capital works have fluctuated over the past number of years. Using financial guidelines set out in the Transport Asset

Management Plan & Long Term Financial Plan an annual budget of \$250,000 has been assigned for capital works.

The following is a summary of annual budgeted amounts for footpath construction over recent years:

- 2016/17 – \$420,051;
- 2015/16 - \$303,750;
- 2014/15 - \$277,035; and
- 2013/14 - \$266,000.

### Legislative Compliance

N/A.

### Policy Implications

Nil.

### Stake Holder Engagement / Consultation

N/A.

### Risk Implications

N/A.

### OFFICER'S COMMENT

Initial desktop estimates suggested the proposed 17/18 program was in the order of \$216,586, following detailed costing this value was increased to \$452,962. As outlined in the following table:

Road Name	Start	End	True Length	Area	Upgraded Width	Upgraded Area	Side	Condition	Road From	Road To	Proposed Year	Endorsed	Detailed costings
FITZGERALD STREET	2010	2230	220	286	2	440	Right	Very Poor	Poole St	Hatton St	2017 / 2018	May '16	\$ 84,126.64
LANCE STREET	150	230	80	320	4	320	Left	Very Poor	Gerlad St	Fermoy St	2017 / 2018	May '16	\$ 60,551.75
LOBELIA AVENUE	310	620	310	620	2	620	Left	Very poor	Kuringal Rd	Zamia Tce	2017 / 2018	May '16	\$ 108,882.00
BALGA TERRACE	0	250	250	300	2	500	Left	Poor	Zamia Tce	Kingia Rd	2017 / 2018	May '16	\$ 100,350.00
ORCHID TERRACE	0	260	260	312	2	520	Left	Very Poor	Kuringal Rd	Zamia Tce	2017 / 2018	May '16	\$ 99,052.00
													\$ 452,962.39

During the detail costing stage for the projects, associated works such as pram ramps, grab rails, tactile pavers, crossover reinstatement and raising service lids are identified on site which are the main contributing factors as to the increase to the desktop costing. The following table outlines these additional items identified during the detailed costing process.

Street Name	Driveway Removal & Reinstatement	Telstra Pits	Water Corp	Pram Ramp	Hand Rail	Backfill	Footpath Removal	Tactile Paving
Fitzgerald Street	5nos	3nos		4nos	4nos	220m <sup>2</sup>	286m <sup>2</sup>	
Lance Street				2nos	2nos	320m <sup>2</sup>	320m <sup>2</sup>	
Lobelia Street	11nos	1nos	1nos	2nos	2nos	620m <sup>2</sup>	465m <sup>2</sup>	2nos
Balga Terrace	9nos	6nos	5nos	4nos	4nos	500m <sup>2</sup>	300m <sup>2</sup>	4nos
Orchid Terrace	8nos	3nos	3nos	2nos	2nos	520m <sup>2</sup>	300m <sup>2</sup>	2nos

The following locations are recommended to form the 2017/18 Draft Annual construction Program at an estimated value of \$253,561

- Fitzgerald Street Poole St to Hatton St
- Lance Street Gerald St to Fermoy St
- Lobelia Avenue Kuringal Rd to Zamia Tce (Wundowie Community Plan focus)

The following locations is recommended to form the 2018/19 Draft Annual Construction Program at an estimated value of \$260,216

- Orchid Terrace Kuringal Rd to Zamia Tce (Wundowie Community Plan focus)
- Balga Terrace Zamia Tce to Kingia Road (Wundowie Community Plan focus)
- Wellington Street Peel Terrace to Ensign Dale

During the development of the 2018/19 Annual Budget, staff will reassess the condition of the footpath network and make a recommendation to Council should staff feel priorities have changed since the most recent assessment.

#### RECOMMENDATION

**That Council endorse the proposed 2 year Footpath Program to be delivered in 2017/18 & 2018/19 financial years.**

#### 2017/18 Program

Fitzgerald Street	Poole St to Hatton St	\$84,127
Lance Street	Gerald St to Fermoy St	\$60,552
Lobelia Avenue	Kuringal Rd to Zamia Tce	\$108,882

#### 2018/19 Program

Orchid Terrace	Kuringal Rd to Zamia Tce	\$99,052
Balga Terrace	Zamia Tce to Kingia Road	\$100,350
Wellington Street	Peel Terrace to Ensign Dale	\$60,814

**Attachment 1**

2017/18 Draft Footpath Program

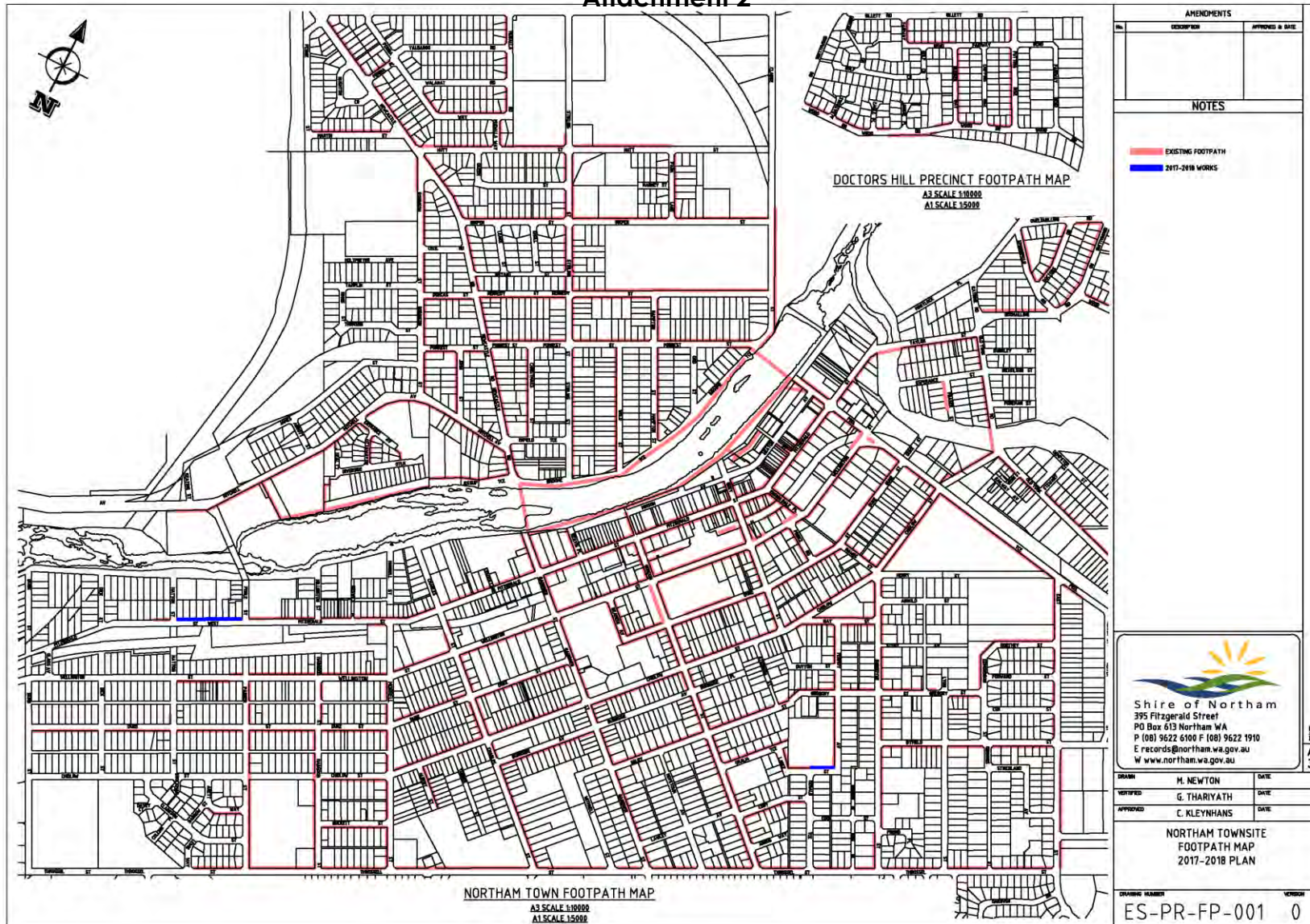
Road Name	Start	End	True Length	Road From	Road To	(\$) Cost	Proposed Year
FITZGERALD STREET	2010	2230	220	Poole St	Hatton St	<b>\$84,127.00</b>	2017 / 2018
LANCE STREET	150	230	80	Gerlad St	Fermoy St	<b>\$60,552.00</b>	2017 / 2018
LOBELIA AVENUE	310	620	310	Kuringal Rd	Zamia Tce	<b>\$108,882.00</b>	2017 / 2018
						<b>\$253,561.00</b>	

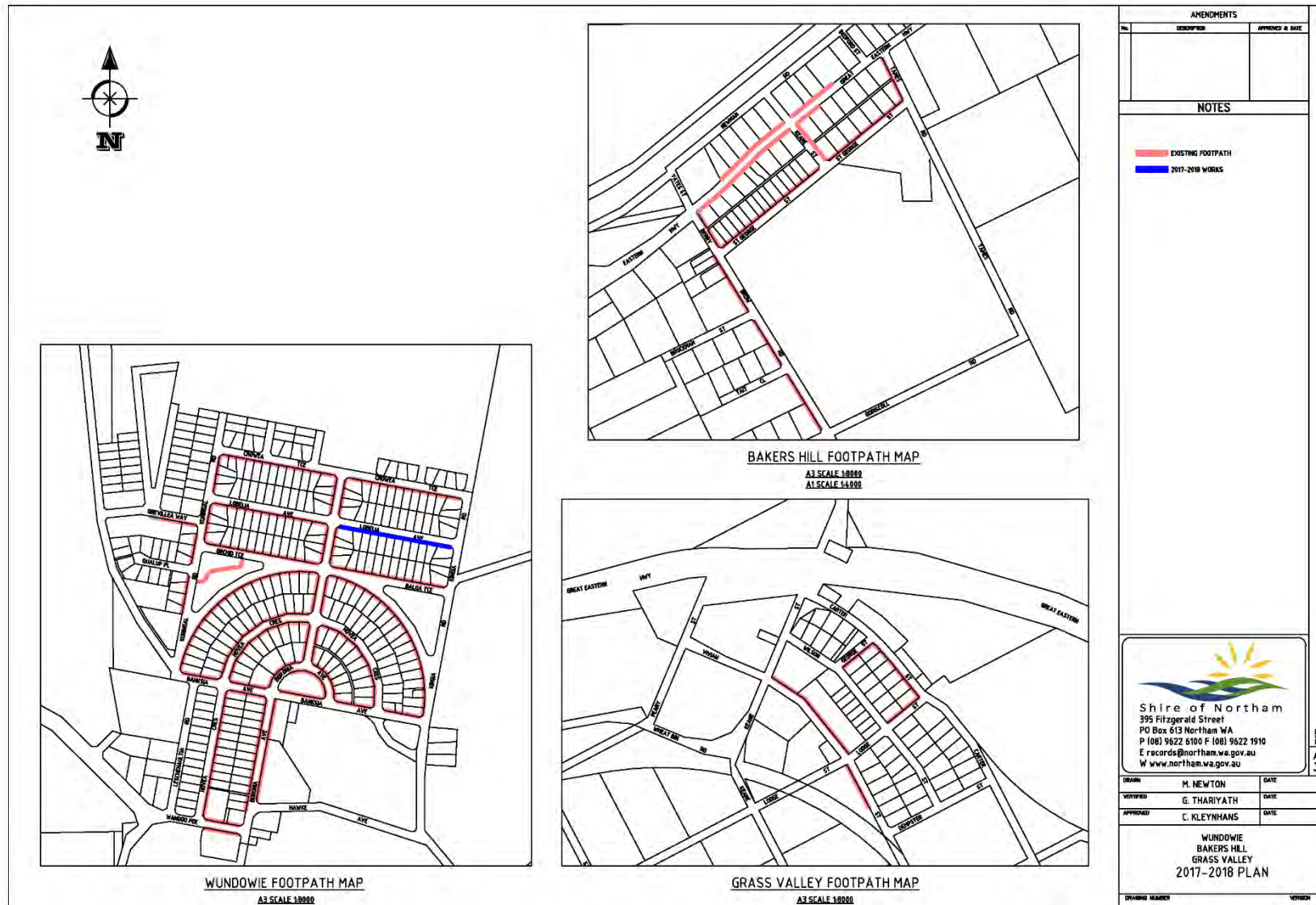
2018/19 Draft Footpath Program

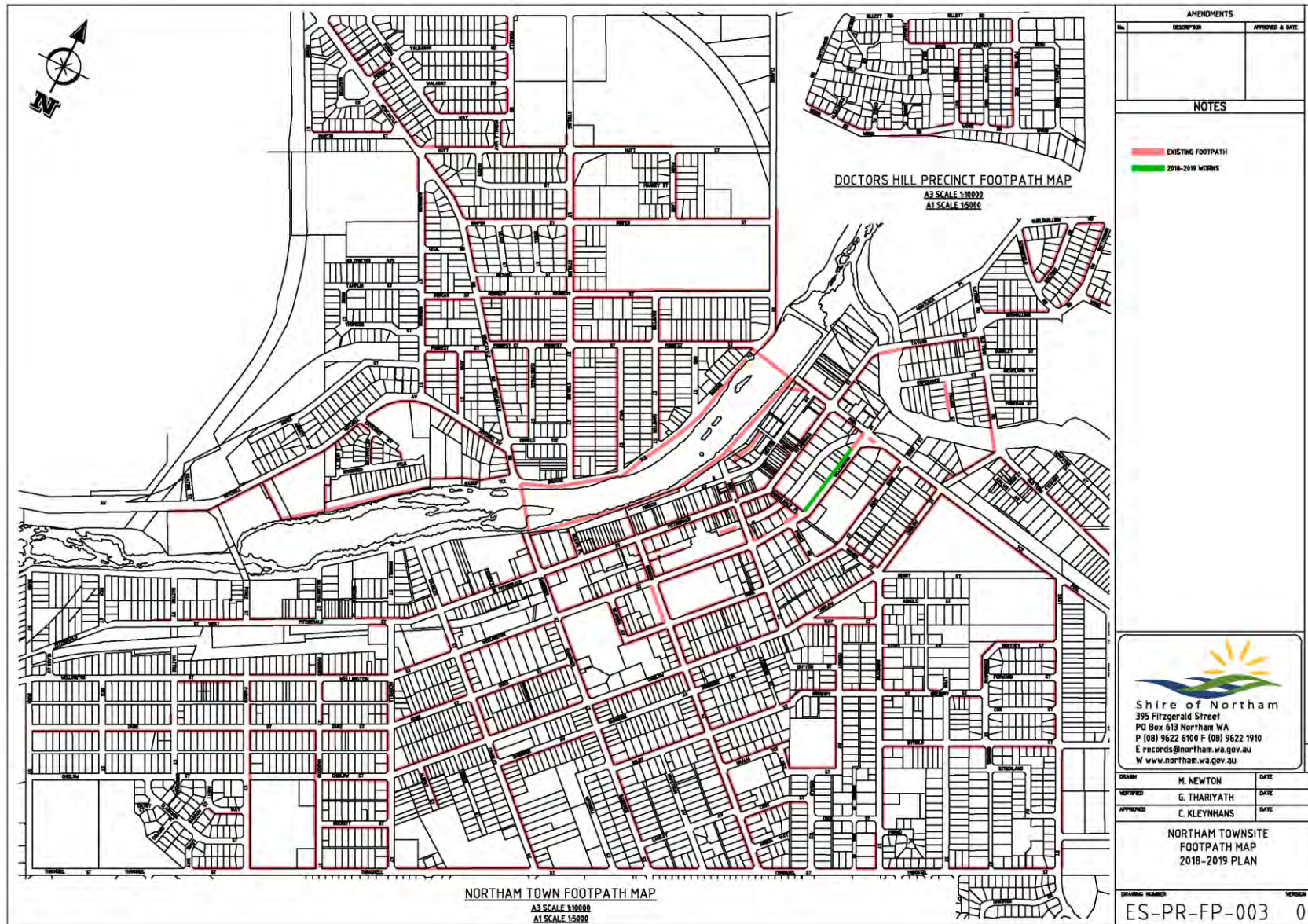
Road Name	Start	End	True Length	Road From	Road To	(\$) Cost	Proposed Year
ORCHID TERRACE	0	260	260	Kuringal Rd	Zamia Tce	<b>\$99,052.00</b>	2018 / 2019
BALGA TERRACE	0	250	250	Zamia Tce	Kingia Rd	<b>\$100,350.00</b>	2018 / 2019
WELLINGTON STREET	50	320	270	50M Peel Terrace	Ensign Dale	<b>\$60,814.00</b>	2018 / 2019
						<b>\$260,216.00</b>	



Attachment 2











## 12.3 DEVELOPMENT SERVICES

### 12.3.1 Proposed Management of Reserve 33705

<b>Address:</b>	Fitzgerald/Wellington Streets, Northam
<b>Owner:</b>	Department of Lands
<b>File Reference:</b>	A11150
<b>Reporting Officer:</b>	Chadd Hunt Executive Manager Development Services
<b>Responsible Officer:</b>	Chadd Hunt Executive Manager Development Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

Council has been approached by the Department of Finance, Building Maintenance and Works regarding the future management of Reserve 33705.

#### ATTACHMENTS

Attachment 1: Site Plan.

#### BACKGROUND / DETAILS

The subject land is described as Lot 364 on Plan 191956 which is contained within Reserve 33705 and consists of 2607m<sup>2</sup>. The reserve is currently under a management order with the Minister for Works and Services for the purposes of Access and Parking.

The areas has historically been used for parking for the Memorial Hall, former St Johns Ambulance Hall (currently Wheatbelt NRM), Water Corporation and the Government Office accommodation on the adjoining Reserve.

#### CONSIDERATIONS

##### Strategic Community / Corporate Business Plan

Objective P2: Accessible and Legible Communities.

Strategy P2.2: Undertake Urban and CBD renewal projects.

Action: Develop street scaping plan for the CBD, focusing on connectivity (parking and path networks).

##### Financial / Resource Implications

Should Council request that the management of the Reserve be transferred to Council there will be costs associated with the ongoing maintenance of the car parking area.

### **Legislative Compliance**

Should Council request the land to be under the care and control of the Shire of Northam then a new management order will be implemented for the same purpose of "Access and Parking". This process will need to be implemented through the Department of Lands.

The adjoining property that is currently utilised by St John Ambulance for the regional depot is also reserve land (Lot 383 of Reserve 33594). The Department is looking at rationalising this Reserve which currently houses the Police and Courthouse complex, The Department of Child Protection building and McIver House shared government office building.

All properties are zoned "Commercial" under the provisions of Local Planning Scheme No 6.

### **Policy Implications**

Nil.

### **Stake Holder Engagement / Consultation**

Nil.

### **Risk Implications**

There is a risk that if Council does not request management of the Reserve it will be utilised for other purposes or require approval for any improvements suggested by the CBD Strategy.

There is also a risk to Council that the Reserve will require upgrading in the future at a cost to Council.

### **OFFICER'S COMMENT**

Given that the current planning for the CBD is underway it would be in Council interest to advise the Department of Works and Department of Lands of its interest in holding a management order over Reserve 33705. It will provide Council with flexibility in the future for any connectivity works that may be required as well as provide an opportunity for overflow car parking that is currently being undertaken on Council's freehold land on the corner of Fitzgerald Street/Beavis Place.

In addition previous discussions with representatives from St Johns Ambulance and Department of Lands indicated an interest in the land currently housing the St Johns Ambulance substation. It is suggested that Council also expresses its interest in this landholding on the proviso that the property has no encumbrances (such as a contaminated site classification) and confirmation of the status of the buildings on the property.

**RECOMMENDATION**

**That Council advise the Department of Works and the Department of Lands that Council is interested in obtaining management orders for Reserve 33705 and a portion of Reserve 33594 (as contained within Lot 383) subject to further details being received on:**

- a. The encumbrances on the properties; and**
- b. The status of the existing infrastructure on Lot 383.**

### Attachment 1



### 12.3.2 Request for Council Advice – BGC's Voyager Quarry - Ministerial Statements 706 and 934 – Changes to Proposal and Implementation Conditions

<b>Address:</b>	Lot 14 Great Southern Highway, Woottating
<b>Owner:</b>	BGC (Australia) Pty Ltd
<b>File Reference:</b>	A1349 & 3.3.2.2
<b>Reporting Officer:</b>	Kobus Nieuwoudt Manager Planning Services
<b>Responsible Officer:</b>	Chadd Hunt Executive Manager Development Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

Council is asked to provide its advice to the Office of the Environmental Protection Authority (OEPA) regarding a request it has received from BGC (Australia) Pty Ltd (BGC) seeking a review of the key characteristics and implementation conditions for its "Voyager Quarry Proposal" (known also as "Voyager II") approved under Ministerial Statement 706, and as amended by Statement 934.

In particular, the OEPA is seeking advice or comments from the Shire regarding the requested changes to conditions and specifically whether the Shire can manage closure and rehabilitation and blasting and vibration under the existing extractive industry licencing process.

#### ATTACHMENTS

- Attachment 1: Request to Change Ministerial Statements 706 and 934.
- Attachment 2: Ministerial Statement 706.
- Attachment 3: Ministerial Statement 934.
- Attachment 4: Applicants request for Changing of Ministerial Statements.

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#### BACKGROUND / DETAILS

The Shire's Administration has received a referral from the OEPA advising that it has received a request from BGC for changes to the implementation conditions for its Voyager Quarry Proposal located at Lot 14 Great Southern Highway, Woottating in order to: -

- increase the disturbance footprint by 17 hectares to construct a western bund for storage of waste rock and topsoil and to prevent noise and dust impacts;
- removal of conditions 8, 9, 12, 13, 14, 15, 16 and 18 which have been complied with and/ or may be better regulated under other legislation; and
- review of environmental offsets.

The specific conditions the OEPA are seeking Council comment on are as follows –

8. Fauna relocation and habitat – requested to be deleted on the basis that the required works have been cleared or completed
9. Restricted area and Management of Trapdoor Spiders – requested to be removed on the basis that the required works have been cleared or completed
12. Dust Monitoring and remedial action plan (Ministerial Statement 934) – requested to be deleted on the basis that it is more appropriately regulated under Part V of the EP Act.
13. Ground and Surface Water – requested to be deleted or modified to reflect circumstances within the proponent's control
14. Management of Topsoil - requested to be deleted on the basis that stockpiles are an important aspect of rehabilitation and that dust management is more appropriately regulated under Part V of the EP Act
15. Noise from Vegetation Clearing and Site Preparation - requested to be deleted on the basis that noise is more appropriately regulated under Part V of the EP Act.
16. Operational Noise - requested to be deleted on the basis that noise is more appropriately regulated under Part V of the EP Act.
18. Blast and Vibration Management Plan - requested to be deleted on the basis that noise is more appropriately regulated under Part V of the EP Act and vibration is more appropriately regulated under the Dangerous Goods Safety (Explosive) Regulations 2007 and the Environmental Protection (Noise) Regulations 1997.

## CONSIDERATIONS

### Strategic Community / Corporate Business Plan

Nil.

### Financial / Resource Implications

There is potential for increased costs to Council should a number of the requests received be approved. In particular the issues surrounding noise and dust are likely to become the responsibility of Council staff and this has an impact on both staff time and resources required to action any complaints received.

## Legislative Compliance

Section 46(3) of the Environmental Protection Act, 1986 (EP Act) states: -

*The Authority is to carry out an inquiry in accordance with a request made under subsection (1).*

### Statutory Context

Shire of Northam Local Planning Scheme No. 6

Lot 14 is zoned "Rural" under the Shire's Local Planning Scheme No. 6 and has a legal area of 197.4882 ha. The use of the land for an extractive industry was specifically considered by the State Administrative Tribunal (SAT) which, ultimately, resulted in planning approval being issued by their determination delivered on 9 June 2006, subject to the following conditions:

- "2. Planning approval is granted for the proposed quarry on Lot 14, subject to compliance with the following conditions:
1. The applicant shall, as soon as reasonably practicable, upon completion of each management plan prepared for the purposes of the proposed use provide a copy thereof to the Shire.
  2. The applicant shall not load quarried materials into trucks or permit the movement of trucks in or out of the site between the hours of 11.00pm and 6.00am with the exception that it may permit trucks loaded with quarried material and weighed prior to 11.00pm to leave the site after loading and weighing providing those trucks leave immediately after loading and weighing has been completed.
  3. The applicant shall ensure, as much as reasonably practicable, that all lighting and fixed sirens on the site are to be orientated away from residences on land adjoining the site as at the date of this consent.
  4. Access to the site is to be located within 300 metres of the southern end of the eastern or western boundary of Lot 14, provided that in the event that the applicant acquires title to the existing Voyager Quarry Site and access road on Lot 7, access to Lot 14 must utilise the existing access road.
  5. The applicant shall consult with the Shire to identify an approved location for placement of overburden removed off site by the applicant, and the applicant shall not place overburden in any location which has been rejected or effused by the Shire of Northam.
  6. The applicant shall ensure that blasting procedures and methodology are designed so as to ensure that no fly rock leaves the site boundary.
  7. The applicant shall ensure that buildings the subject of the recording of baseline data in the original McDowall Affleck Pty Ltd survey in 2003 shall be inspected and assessed against that baseline data by an independent consultant every two years, to identify whether any structural damage to the buildings has been caused by blasting at the site."

Shire of Northam Extractive Industry Local Law 2008 (EIL 2008)



At the Ordinary Council Meeting held on 18 February 2009, Council issued an Extractive Industry Licence to BGC (subject to conditions) under the provisions of Council's EIL 2008.

### **Policy Implications**

N/A.

### **Stakeholder Engagement / Consultation**

No stakeholder consultation has occurred, however, it is recommended Council advises the OEPA that suitable neighbour consultation must occur before the Shire would be prepared to support the requested changes.

### **Risk Implications**

There is a potential risk to the Shire of Northam that if the recommended changes to the Ministerial conditions are made that Council will have insufficient resources and expertise to monitor those conditions to be transferred to our responsibility.

There is also a reputational risk to Council should any changes be made to the conditions of approval for the operations without undertaking the recommended public consultation.

### **OFFICER'S COMMENT**

As Council would be aware, there is an extensive history in relation to the proposed Voyager II Project which, ultimately, resulted in the State Administrative Tribunal issuing planning approval for the extractive industry.

The Shire also approved an Extractive Industry Licence to BGC on 18 February 2009, and on 21 September 2011, Council resolved to modify Condition #4 of the Licence so as to align with the hours of operation as previously approved by the then Minister of Environment.

With respect to the OEPA's latest request, officers are particularly concerned that it would be imprudent for the Shire's Administration to support the current request unless it can be demonstrated that suitable neighbour consultation has occurred and neighbouring landowners' concerns have been addressed, and that the proposal to increase the disturbance footprint by 17 hectares to construct a western bund for storage of waste rock and topsoil and to prevent noise and dust impacts, have been granted Development Approval by the Shire of Northam.

In addition staff believe that further clarification is needed on several aspects of the proposed modified conditions, given that this may impact Council's ability to monitor the operations. At the time of issuing approval a number of environmental issues were identified and included within the Ministerial

Statement that allowed the development to be issued approval. Staff believe that given the complexity of the approvals that have been issued for the site a full and detailed response is required including further discussions with the OEPA, the applicant and external environmental expertise. As mentioned above the most appropriate mechanism for this to occur is through the development application process.

It is recommended Council resolve to advise the OEPA accordingly.

#### **RECOMMENDATION**

**That Council advise the Office of the Environmental Protection Authority that it is not prepared to support the requested changes from BGC (Australia) Pty Ltd until such time as:**

- **An application for development approval to modify the existing development approval and the extractive industry licence has been made; and**
- **Suitable neighbour consultation has occurred and any neighbouring landowners' concerns have been addressed.**

## Attachment 1



Government of Western Australia  
Office of the Environmental Protection Authority

Mr Kobus Nieuwoudt  
Manager Planning Services  
Shire of Northam  
PO Box 613  
NORTHAM WA 6401

Our Ref: AC07-2016-0013  
Enquiries: Naomi O'Hara, 6145 0951  
Email: [naomi.ohara@epa.wa.gov.au](mailto:naomi.ohara@epa.wa.gov.au)

Email: [mgrplanning@northam.wa.gov.au](mailto:mgrplanning@northam.wa.gov.au)

Dear Mr Nieuwoudt

### **VOYAGER QUARRY – MINISTERIAL STATEMENTS 706 AND 934 – CHANGES TO PROPOSAL AND IMPLEMENTATION CONDITIONS – REQUEST FOR ADVICE**

The Office of the Environmental Protection Authority (OEPA) has received a request from the proponent, BGC (Australia) Pty Ltd, seeking a review of the key characteristics and implementation conditions for Voyager Quarry Proposal approved under Ministerial Statement 706, as amended by Statement 934.

BGC (Australia) Pty Ltd has requested the following changes:

- increase the disturbance footprint by 17 hectares to construct a western bund for storage of waste rock and topsoil and to prevent noise and dust impacts;
- removal of conditions 8, 9, 12, 13, 14, 15, 16 and 18 which have been complied with and/ or may be better regulated under other legislation; and
- review of environmental offsets.

The OEPA is seeking advice or comments from the Shire of Northam regarding the requested changes to conditions and specifically whether the Shire can manage closure and rehabilitation (condition 10) and blasting and vibration (condition 18) under the extractive industry licencing process.

The OEPA would appreciate any advice or comments by **Friday 21 April 2017**. If you have any queries regarding this request, please contact Naomi O'Hara on phone number (08) 6145 0951 or by email on [naomi.ohara@epa.wa.gov.au](mailto:naomi.ohara@epa.wa.gov.au).

Yours sincerely



**Anthony Sutton**  
Director  
Assessment and Compliance Division

7 April 2017

## Attachment 2



MINISTER FOR THE ENVIRONMENT; SCIENCE

Statement No.

000706

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

VOYAGER QUARRY  
LOTS 11 & 14, HORTON ROAD, THE LAKES  
AVON LOCATION 1881  
SHIRE OF NORTHAM

**Proposal:** The development and operation of a quarry incorporating excavation of approximately 60 million tonnes of hard rock, approximately 2 million tonnes of gravel and approximately 12 million tonnes of clay from the quarry footprint. The total area of disturbance will be up to 85 hectares, as documented in schedule 1 of this statement.

**Proponent:** BGC (Australia) Pty Ltd

**Proponent Addresses:**

BGC (Australia) Pty Ltd  
ABN 62005736005  
Lot 4 Stirling Crescent  
HAZELMERE WA 6055

**Assessment Number:** 1413

**Report of the Environmental Protection Authority:** Bulletin 1169

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 and procedures of this statement.

Published on

16 DEC 2005

29th FLOOR, ALLENDALE SQUARE, 77 ST. GEORGE'S TERRACE, PERTH 6000  
TELEPHONE: (08) 9220 5050 FACSIMILE: (08) 9221 4665  
E-MAIL: judy-edwards@dpc.wa.gov.au  
WEBSITE: www.ministers.wa.gov.au/edwards

**2 Proponent Commitments**

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

**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 programmes.

5-2 The proponent shall prepare a performance review program and submit annual performance review reports to the Department of Environment which address:

1. the major environmental issues associated with 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;
3. significant improvements gained in environmental management, including the use of external peer reviews; and
4. the proposed environmental objectives for the operations, including improvements in technology and management processes.

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 and performance review documentation, including environmental management plans, related to the conditions, procedures and commitments contained in this statement.

## 6 Operating Hours

6-1 Activities relating to quarrying, crushing and screening shall only be undertaken between the hours of 0700 and 1900 on weekdays which are not public holidays and between the hours of 0700 and 1330 on Saturdays. Activities relating to quarrying, crushing and screening must not be carried out on Sundays, public holidays or outside the permitted hours of operation required by this condition.

## 7 Protection of Bushland

- 7-1 The proponent shall not clear or otherwise disturb native bushland on Lot 11 Horton Road, nor clear or otherwise disturb native bushland on Lot 14 Horton Road outside the 85 hectare operational boundary marked on Figure 2.
- 7-2 The proponent shall fence the perimeter of Lot 11 and Lot 14 Horton Road, and the perimeter of the operational boundary shown on Figure 3, to the requirements of the Minister for the Environment on advice of the Department of Conservation and Land Management.
- 7-3 Throughout the entire life of the quarry, the proponent shall maintain the fencing referred to in condition 7-2 in good condition, to the requirements of the Minister for the Environment on advice of the Department of Conservation and Land Management.

## 8 Fauna Relocation and Habitat

- 8-1 Prior to clearing of vegetation or excavation of soil or rock in any area, whichever is the sooner, the proponent shall prepare a Fauna Relocation and Habitat Plan in consultation with the Department of Conservation and Land Management, to the requirements of the Minister for the Environment.

This Plan shall detail actions to relocate fauna to a place which reasonably approximates their existing habitat, and shall address relocation of the following fauna species:

- Brush-tailed Phascogale (*Phascogale tapoatafa*);
- Western Brush Wallaby (*Macropus irma*);
- Carpet Python (*Morelia spilota imbricata*);
- Dell's Skink (*Ctenotus delli*);
- Echidna (*Tachyglossus aculeatus*);
- Chuditch (*Dasyurus geoffroii*);
- Possums of any species; and
- Western Grey Kangaroo (*Macropus fuliginosus*).

This plan shall also address the salvage and relocation of tree hollows and habitat logs to provide habitats for fauna species.

- 8-2 The proponent shall implement the Fauna Relocation and Habitat Plan, required by condition 8-1, to the requirements of the Minister for the Environment on advice of the Department of Conservation and Land Management.
- 8-3 The proponent shall make the Fauna Relocation and Habitat Plan, required by condition 8-1, publicly available.



**9 Restricted Area and Management of Trapdoor Spiders**

- 9-1 Subject to condition 9-2, no ground-disturbing activity shall occur in the area designated A on Figure 2.
- 9-2 Where the proponent demonstrates to the satisfaction of the Minister for the Environment on advice of the Environmental Protection Authority that:
- a) a similar sized population of the trapdoor spider present on Lots 11 and 14 Horton Road is present on other land; or
  - b) the remaining population of trapdoor spiders located on Lot 11 Horton Road and the portions of Lot 14 Horton Road to remain undisturbed will remain viable if the individuals located within Area A are removed; or
  - c) the population can be successfully translocated to the wild,
- then ground-disturbing activity may occur in Area A.
- 9-3 Prior to clearing of vegetation or excavation of soil or rock, the proponent shall prepare an Interim Trapdoor Spider Management Plan to ensure the protection of trapdoor spiders located within Area A from indirect impacts from quarrying activities.

**10 Closure and Rehabilitation**

- 10-1 Prior to clearing of vegetation or excavation of soil or rock, whichever is the sooner, the proponent shall prepare a Closure and Rehabilitation Strategy, to the requirements of the Minister for the Environment.

The objective of this Strategy is to ensure that closure planning and rehabilitation are carried out as an integral part of quarry planning, development and operation.

The Strategy shall be consistent with the "Strategic Framework for Mine Closure (2000)" produced by the Minerals Council of Australia and the Australian and New Zealand Minerals and Energy Council, and shall:

- 1. detail the rehabilitation practices and timing of rehabilitation of all disturbed areas including stockpiles, overburden disposal areas, access roads, quarry pits and sumps;
- 2. detail the rehabilitation work to be undertaken in conjunction with site operations;
- 3. address rehabilitation of areas already cleared which do not form part of the operational footprint; and
- 4. incorporate a Visual Impact Strategy formulated to manage, ameliorate and screen visual impacts of the operations, including impacts from artificial lighting.

- 10-2 The proponent shall implement the Closure and Rehabilitation Strategy required by condition 10-1 and any subsequent updates as required by condition 10-3, to the requirements of the Minister for the Environment.
- 10-3 The proponent shall review and update the Closure and Rehabilitation Strategy required by condition 10-1 every five years, and shall include the outcomes of consultation with the owners and residents of land surrounding the project area to the requirements of the Minister for the Environment.
- 10-4 The proponent shall make the Closure and Rehabilitation Strategy required by condition 10-1 publicly available.

## **11 Ambient Dust Standard**

- 11-1 The proponent shall ensure that dust emissions from Lot 14 do not exceed an ambient PM<sub>10</sub> level of 50 micrograms per cubic metre averaged over a 24 hour period when measured at the property boundary.

## **12 Dust Monitoring and Remedial Action**

- 12-1 Prior to clearing of vegetation or excavation of soil or rock, whichever is the sooner, the proponent shall prepare a Dust Monitoring and Remedial Action Programme, to the requirements of the Minister for the Environment.

The objective of this Programme is, by monitoring dust concentrations, to ensure that dust associated with all operations (including land clearing, excavation, blasting, dust lift-off from stockpiles and general operational activities such as screening, crushing and transport) which emanates from and leaves the site complies with the standard prescribed in condition 11-1.

This Programme shall include but not be limited to:

1. continuous dust and meteorological monitoring;
  2. ambient dust monitoring at two or more Sensitive Sites in the vicinity of the quarry (See note 1, condition 17.);
  3. a reporting schedule for monitoring data and results;
  4. improvements to monitoring and reporting; and
  5. remedial action to be undertaken to prevent exceedances if the dust source is within the proposal area, or the dust arises from operational activities (including vehicular movements).
- 12-2 The proponent shall implement the Dust Monitoring and Remedial Action Programme required by condition 12-1 and any subsequent updates as required by condition 12-3.

- 12-3 The proponent shall review and update the Dust Monitoring and Remedial Action Programme required by condition 12-1 annually.
- 12-4 The proponent shall report to the Department of Environment any exceedances of the standard prescribed in condition 11-1.
- 12-5 The proponent shall provide a report to the Department of Environment relating to the exceedances referred to in condition 11-1 within seven days of being recorded, identifying the sources of the dust, and, if the source is within the proposal area, or from operational activities (including vehicular movements) and indicating remedial action undertaken to prevent further such exceedances.
- 12-6 The proponent shall make the Dust Monitoring and Remedial Action Programme required by condition 12-1 publicly available.

### 13 Ground and Surface Water

- 13-1 Prior to clearing of vegetation or excavation of soil or rock, whichever is the sooner, the proponent shall prepare a Ground and Surface Water Monitoring and Remedial Programme, to the requirements of the Minister for the Environment.

The objective of this Programme is to monitor groundwater levels adjacent to the quarry, and the quantity and quality of surface water leaving the site to ensure that the operations are not resulting in a reduction of water levels of existing bores of neighbours or any significant decline in the quality of waters downstream of the quarry, and to define management actions and contingency measures to be implemented in the event of adverse impacts on the water levels of bores or salinity in downstream waters caused by quarry and associated operations.

This Programme shall:

1. be designed and implemented in a manner which is capable of identifying any adverse impacts from quarrying and associated activities on surface and groundwater in the vicinity of the proposal;
2. incorporate separate monitoring for surface water and groundwater;
3. identify key monitoring locations;
4. identify water quality criteria and limits to be met;
5. identify baseline levels for groundwater supplies on adjacent properties;
6. include a monitoring schedule;
7. include a reporting schedule; and

8. define management actions and contingency measures to be implemented in the event of adverse impacts on the water levels of bores or water quality in downstream waters caused by quarry and associated operations.
- 13-2 The proponent shall implement the Ground and Surface Water Monitoring and Remedial Programme required by condition 13-1 and any subsequent updates as required by condition 13-6.
- 13-3 The proponent shall ensure that water quality criteria and limits identified within the Ground and Surface Water Monitoring and Remedial Programme are not exceeded.
- 13-4 The proponent shall report any exceedance of the limits identified within the Ground and Surface Water Monitoring and Remedial Programme to the Department of Environment within 24 hours of being observed.
- 13-5 The proponent shall provide a report to the Department of Environment relating to the exceedances referred to in condition 13-4 within seven days of being recorded, identifying the sources of the exceedance within the proposal area and indicating remedial action undertaken to prevent further such exceedances.
- 13-6 The proponent shall review and update the Ground and Surface Water Monitoring and Remedial Programme required by condition 13-1 annually.
- 13-7 The proponent shall make the Ground and Surface Water Monitoring and Remedial Programme required by condition 13-1 publicly available.

#### **14 Management of Topsoil**

- 14-1 The proponent shall not stockpile overburden and topsoil onsite except in exceptional circumstances.

Note: "Stockpiling" means placement and storage of materials for periods of two weeks or more. Exceptional circumstances may include instances where vehicles and plant are not available to relocate stored material, or instances when inclement weather prevents the handling and/or transport of stored material.

#### **15 Noise from Vegetation Clearing and Site Preparation**

- 15-1 Prior to clearing of vegetation or excavation of soil or rock from any area (to a maximum depth of five metres), whichever is the sooner, the proponent shall prepare an Area-Specific Noise Management Plan to the requirements of the Minister for the Environment.
- 15-2 The proponent shall implement Area-Specific Noise Management Plans required by condition 15-1 and any subsequent updates as required by condition 15-3.

- 15-3 The proponent shall review and update the Area-Specific Noise Management Plans required by condition 15-1 annually, until completion of the particular area referred to in condition 15-1.
- 15-4 The proponent shall only carry out clearing of vegetation and excavation activities between 0700 hours and 1900 hours on any day which is not a Saturday, Sunday or a public holiday. The proponent may not carry out clearing of vegetation or excavation on Saturdays, Sundays, or public holidays or between the hours of 19:00 hours and 07:00 hours.
- 15-5 The proponent shall undertake a programme of noise quantification (incorporating modelling of predicted noise levels prior to commencement of clearing of vegetation and excavation of soil) and verification through noise monitoring for each stage of vegetation clearing and excavation activities, to the requirements of the Minister for the Environment.
- 15-6 The proponent shall ensure that the level of noise emissions associated with clearing of vegetation or excavation of soil or rock from any area to a maximum depth of five metres, when determined at any point that is within 15 metres of a residence on a noise-sensitive premises in accordance with regulation 7(3) of the *Environmental Protection (Noise) Regulations 1997*, does not exceed the following noise limits:
- 55dB(A) for more than 10 per cent of any one-hour period; and
  - 70dB(A) at any time,
- when measured as  $L_{A, slow}$  values in accordance with Part 3 of the *Environmental Protection (Noise) Regulations 1997*.
- 15-7 During clearing of vegetation or excavation of soil or rock from any area to a maximum depth of five metres, whichever is the sooner, the proponent shall report to the Department of Environment within 24 hours of the recording of any exceedances of the noise limits specified in condition 15-6.
- 15-8 During clearing of vegetation or excavation of soil or rock from any area to a maximum depth of five metres, whichever is the sooner, upon identifying any exceedances of the noise limits specified in condition 15-6, the proponent shall provide a report within seven days of exceedances being recorded to the Department of Environment on the source/reason for the exceedance, remedial actions undertaken or intended to prevent further such exceedances.
- 15-9 The proponent shall make the Area-Specific Noise Management Plans required by condition 15-1 publicly available.

## 16 Operational Noise

- 16-1 Prior to any excavation works below five metres depth from the surface, the proponent shall prepare an Operational Noise Measurement Programme to ensure that all noise

from the quarry is measured in accordance with Part 3 of the *Environmental Protection (Noise) Regulations 1997*.

- 16-2 The proponent shall implement the Operational Noise Measurement Programme required by condition 16-1 and any subsequent updates as required by condition 16-3.
- 16-3 The proponent shall review and update the Operational Noise Measurement Programme required by condition 16-1 annually.
- 16-4 The proponent shall utilise that form of safety alarm on items of equipment which produces the least noise whilst complying with all statutory requirements, particularly safety requirements.
- 16-5 The proponent shall report any exceedances of the *Environmental Protection (Noise) Regulations 1997*, aside from those which meet the requirements of condition 15-6, to the Department of Environment within 24 hours of exceedances being recorded.
- 16-6 Upon identifying any exceedances of the *Environmental Protection (Noise) Regulations 1997*, aside from those which meet the requirements of condition 15-6, the proponent shall provide a report, within seven days of exceedances being recorded, to the Department of Environment on the source/reason for the exceedance, remedial actions undertaken or intended to prevent further such exceedances.
- 16-7 The proponent shall make the Noise Measurement Programme required by condition 16-1 publicly available.

## 17 Ground Vibration Levels

- 17-1 The proponent shall measure for each blast, the peak particle velocity (in millimetres per second) in the ground at a measurement point on two or more "Sensitive Sites", to the requirements of the Minister for the Environment (See Note 1 below).

Measurements of ground vibration levels shall be undertaken at points which are at a distance of at least the longest dimension of the foundations of a building or structure away from the building or structure, and between that building or structure and the blasting site.

- 17-2 The proponent shall ensure that the ground vibration generated by any blast does not exceed 10 millimetres per second peak particle velocity at any sensitive premises.
- 17-3 The proponent shall ensure that not more than one blast in any ten consecutive blasts (regardless of the interval between each blast) generates ground vibration which exceeds 5 millimetres per second peak particle velocity at any sensitive premises.
- 17-4 In the event that ground vibration levels in excess of the levels referred to in conditions 17-2 or 17-3 are recorded, the proponent shall notify the Department of Environment within six hours of the exceedance being recorded.

- 17-5 Within seven days following the levels referred to in conditions 17-2 or 17-3 being recorded, the proponent shall submit a report to the Department of Environment outlining the reasons for the levels being exceeded, and what steps are proposed to prevent recurrence.

Notes:

1. A “Sensitive Site” is defined as including any land within 10 metres of a residence, hospital, school or other premises in which people could reasonably be expected to be free from undue annoyance and nuisance caused by blasting.
2. The transducer is to be attached to the surface in accordance with AS2187.2.
3. “Peak Particle Velocity” is the instantaneous sum of the velocity vectors (measured in millimetres per second) of the ground movement caused by the passage of vibration from blasting.

## 18 Blast and Vibration Management Plan

- 18-1 Prior to clearing of vegetation or excavation of soil or rock, whichever is the sooner, the proponent shall prepare a Blast and Vibration Management Plan to the requirements of the Minister for the Environment.

The objective of this Plan is to manage blasting activities to prevent unacceptable impacts on the amenity of nearby residents.

The Plan shall:

1. detail blast management and monitoring procedures at the quarry; and
  2. identify communication procedures with local residents with respect to blasting.
- 18-2 The proponent shall implement the Blast and Vibration Management Plan required by condition 18-1 and any subsequent updates as required by condition 18-3.
- 18-3 The proponent shall review and update the Blast and Vibration Management Plan required by condition 18-1 annually and include the outcomes of consultation with the owners and residents of land surrounding the project area.
- 18-4 The proponent shall make the Blast and Vibration Management Plan required by condition 18-1 publicly available.

## 19 Community Liaison Group

- 19-1 Prior to the finalisation of plans, strategies and programmes required by conditions 8-1, 9-3, 10-1, 12-1, 13-1, 15-1, 16-1 and 18-1, the proponent shall make reasonable endeavours to establish a Community Liaison Group to the requirements of the Minister for the Environment.

- 19-2 The objective of the Community Liaison Group is to provide a forum for consultation on matters relating to the planning, construction and operation of the proposal.
- 19-3 The Community Liaison Group shall be chaired by an independent person approved by the Minister for the Environment.
- 19-4 The proponent shall provide funding to cover the cost of work carried out by the approved chairperson as part of his/her role as chair of the Community Liaison Group.
- 19-5 Membership of the Community Liaison Group shall include representatives of:
- Local residents and landowners;
  - Local government authorities; and
  - Government agencies, including the Department of Environment.

#### Procedures

- 1 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.
- 2 Where a condition lists advisory bodies, it is expected that the proponent will request the advice of those listed as part of its compliance reporting to the Department of Environment.
- 3 During the course of the operation of the project, in conjunction with the preparation of any plans, programmes, strategies or reports required under this statement, the proponent shall enquire of the local authority as to any matters raised by third parties with the local authority to the effect that the operation of the project has caused harm to the environment which exceeds any of the levels or standards required to be met under the conditions of this statement, and shall demonstrate in the relevant plan, program strategy or report that the proponent has responded reasonably to such matters.

#### 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.
2. 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*.

Dr Judy Edwards MLA  
MINISTER FOR THE ENVIRONMENT; SCIENCE

16 DEC 2005



## Schedule 1

### The Proposal (Assessment No. 1413)

The proposal is to undertake the development and operation of the Voyager Quarry in The Lakes, covering an area of approximately 85 hectares in the Shire of Northam. This proposal is also essentially a relocation to the west of the proponent's existing quarry at The Lakes, located on Great Southern Highway, to Lot 14 Horton Road (Avon Location 1881).

The development and operation of a quarry incorporating excavation of approximately 16 million tonnes of hard rock, approximately 2 million tonnes of gravel and approximately 12 million tonnes of clay from the quarry footprint. This will allow for approximately 50 million tonnes of granite to be excavated from the site over a 50-year period. The quarry footprint itself covers an area of approximately 59 hectares. Conventional drilling and blasting, loading and hauling, crushing and screening methods will be employed.

It is expected that the project's development will occur in six stages over the life of mine, with Stage 1 and Stage 2 being initially developed to provide room for the new below-ground facilities and infrastructure. Subsequent stages will then be developed as the need to access granite resources arises. The staged approach will ensure that excavation of the topsoil and subsoil (gravel and clay) will only occur on six occasions during the life of the mine, thereby enabling progressive rehabilitation. All infrastructure, crushing and screening plants and product stockpiles will be housed below ground level, and the site will be surrounded by a buffer of trees and vegetation.

A package of environmental offsets has been developed which seeks to permit revegetation and protection of approximately 170 hectares of land, as well as provide protection for further remnant vegetation managed by the Department of Justice.

The offsets package includes:

- The covenanting of approximately 120 hectares of native vegetation in good condition, held as freehold by the proponent. This should include the rehabilitation of the areas of native vegetation on the freehold land outside the proposed operational footprint, previously cleared by the proponent;
- The provision of up to 15 kilometres of fencing materials to the Department of Justice, to protect remnant vegetation and the Woorloo Brook on land managed as prison farms; and
- The rehabilitation of approximately 60 hectares of gravel pits and other degraded lands within the region, managed by Local and State Government agencies to a standard agreed with the Department of Conservation and Land Management and the Department of Environment.

The key characteristics of the proposal are listed in Table 1 below.

**Table 1 - Key Proposal Characteristics (Assessment No. 1413)**

Element	Description
Type of Project	Hard rock quarry
Project Life	Approximately 50 years
Rate of Extraction	6,000 to 10,000 tonnes per day
Extraction Method	Conventional drilling, blasting, loading and hauling techniques
Location of Crushing and Screening Operations	Within the quarry pit, approximately 30 metres below the ground surface
Crushing and Screening Equipment	New equipment to be utilised onsite, incorporating improved pollution controls. Primary crusher will be housed within a noise reduction structure.
Final Quarry Dimensions	Length approximately 900 metres Width approximately 450 metres Depth approximately 50 metres
Footprint of Quarry pit	Approximately 59 hectares
Footprint of all Disturbances	Approximately 85 hectares
Quarry Operating Hours	0700 hours to 1900 hours during land clearing and excavation activities on any day which is not a Saturday, Sunday or Public Holiday  <u>Normal Operating Times</u> 0700 hours to 1900 hours Monday to Friday 0700 hours to 1330 hours Saturday  Note: No quarrying activities will be carried out on Sundays, public holidays or outside the permitted hours of operation as outlined above.
Major Components	Quarry Product Stockpiles Water Storage Dam Infrastructure (including processing plant, administration buildings, workshop and roads)
Water Storage Dam Capacity	150,000 kilolitres (kL)
Water Supply Source	Surface runoff and groundwater seepage
Average Daily Water Requirements	Summer - Approximately 380 kilolitres Winter - Approximately 780 kilolitres
Maximum Annual Water Requirements	Approximately 95,000 kL
Anticipated Quarry Yield	Gravel 1 to 2 million tonnes Clay 12 million tonnes approximately Hard rock 60 million tonnes approximately
Offsets Package	<ul style="list-style-type: none"> <li>The covenanting of approximately 120 hectares of native vegetation in good condition, held as freehold by the proponent, including the rehabilitation of the areas of native vegetation on the freehold land outside the proposed operational footprint, previously cleared by the proponent.</li> <li>Provision of not less than 15 kilometres of fencing to protect remnant vegetation on land managed by the Department of Justice.</li> <li>Rehabilitation of approximately 60 hectares of gravel pits and other degraded lands.</li> </ul>

**Figures (attached)**

Figure 1 – Regional setting

Figure 2 – Proposed Relocation of the Voyager Quarry.

Figure 3 – Areas of Lot 11 and Lot 14 Horton Road to be fenced.

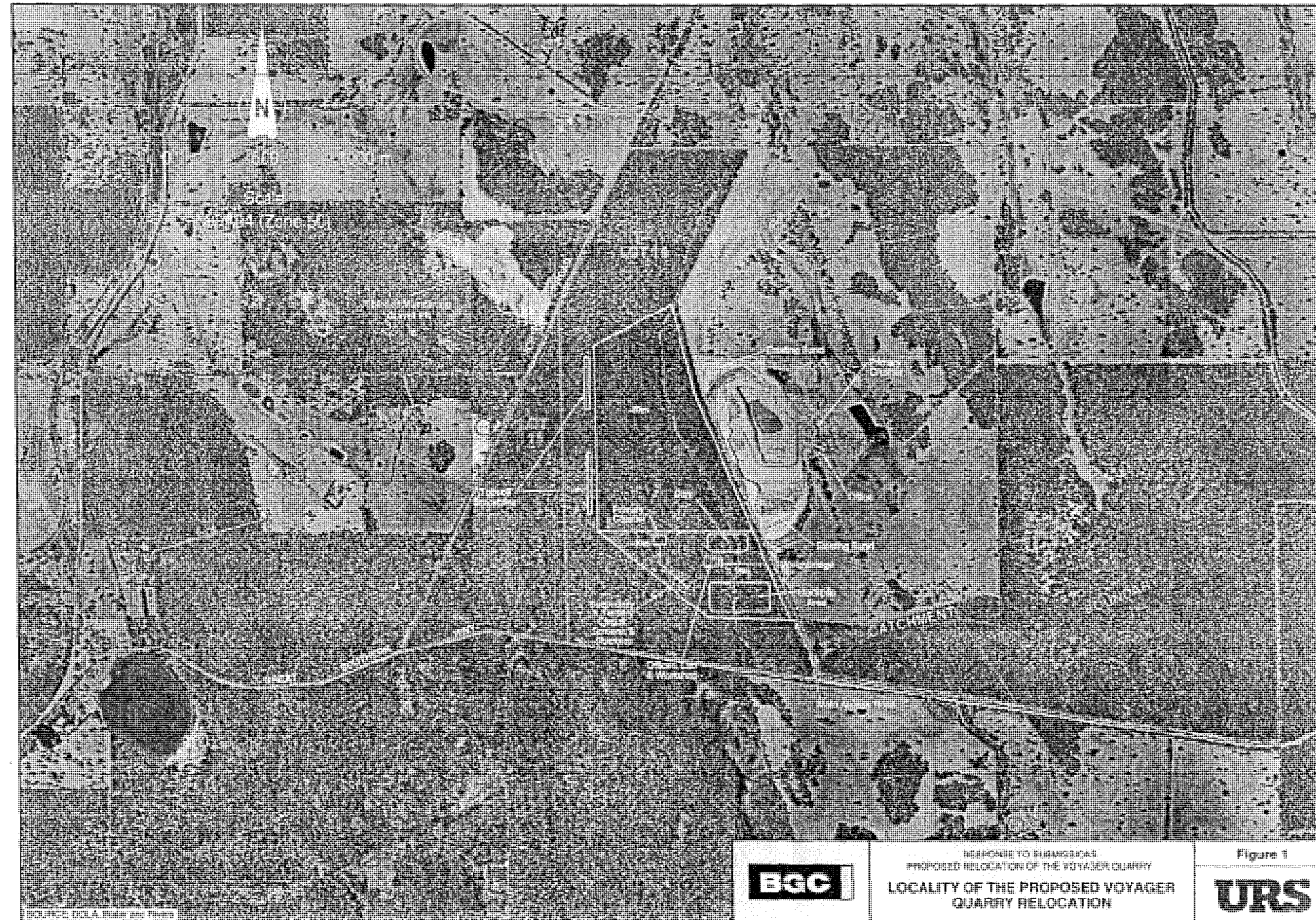
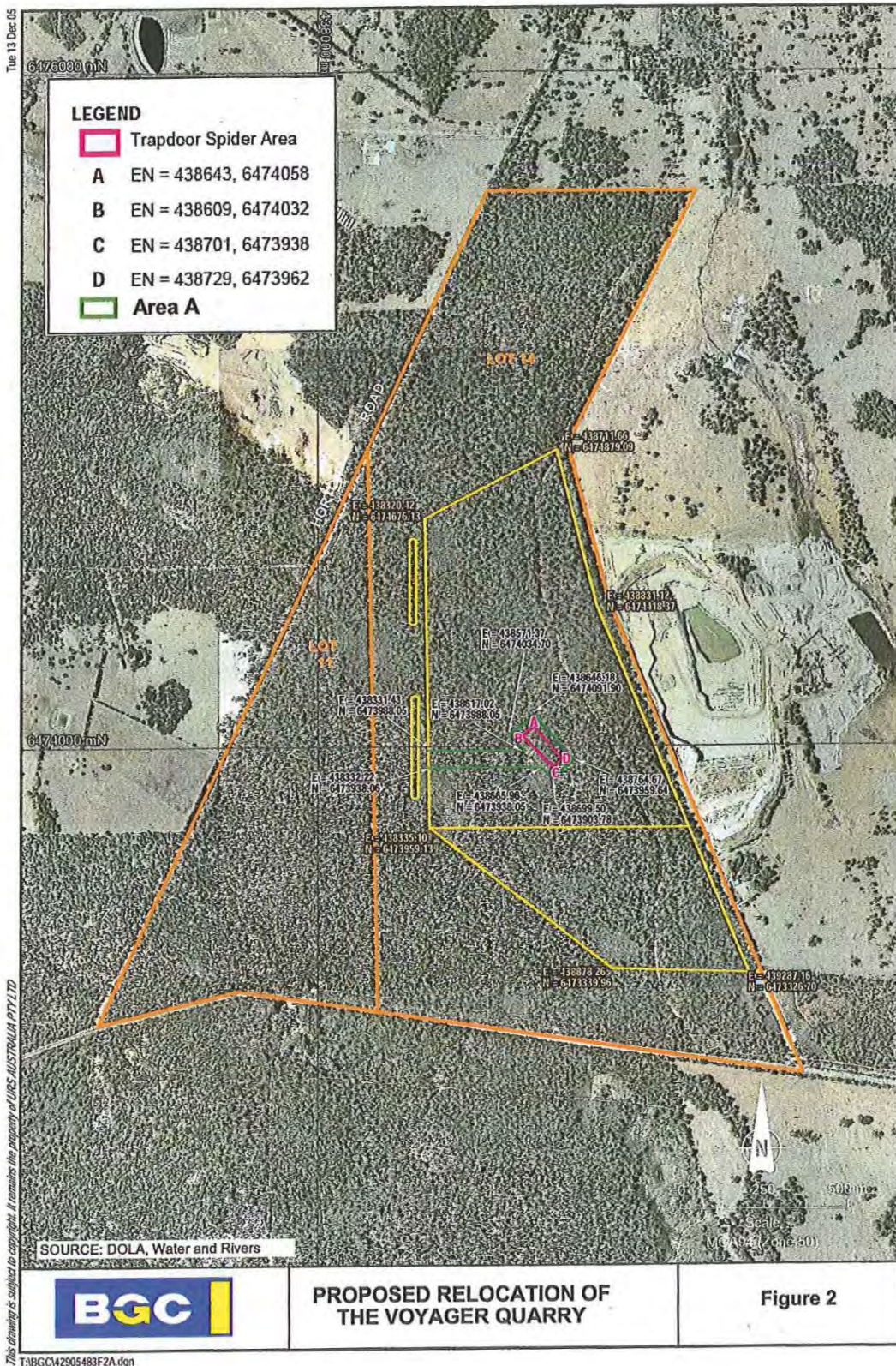


Figure 1 Regional setting





*Figure 3: Areas of Lot 11 and Lot 14 Horton Road to be fenced*

Schedule 2

**Proponent's Environmental Management Commitments**

May 2005

VOYAGER QUARRY  
LOTS 11 & 14, HORTON ROAD, THE LAKES  
AVON LOCATION 1881  
SHIRE OF NORTHAM

(Assessment No. 1413)

BGC (Australia) Pty Ltd

## Proponent's Environmental Management Commitments – May 2005

### Voyager Quarry, Lots 11 & 14 Horton Road, The Lakes, Avon Location 1881, Shire of Northam (Assessment No. 1413)

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

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

No.	Topic	Objective	Action	Timing	Advice
1.	Protection and revegetation of areas of remnant vegetation	To increase the area of remnant vegetation within conservation reserves, and to provide suitable rehabilitation for areas of land already subject to disturbance	1. The covenanting of approximately 120 hectares of native vegetation in "good" condition, held as freehold by the proponent, including the rehabilitation of the areas of native vegetation on the freehold land outside the proposed operational footprint, previously cleared by the proponent	Prior to clearing vegetation or excavating soil or rock from any area, whichever is sooner.	CALM
			2. The provision of not less than 15 kilometres of fencing to the Department of Justice (DOJ), to protect 100 to 150 hectares of remnant vegetation and the Wooroloo Brook on land managed by DOJ as prison farms.	Programmes of work to address the revegetation of the remaining areas of land should commence within 12 months after approval for the Voyager Quarry is given.	CALM DOJ
			3. The rehabilitation of approximately 60 hectares of gravel pits and other degraded lands managed by Local and State Government agencies.	Programmes of work to address the revegetation of the remaining areas of land should commence within 12 months after approval for the Voyager Quarry is given.	CALM

**Abbreviations:**

CALM = Department of Conservation & Land Management  
DOJ = Department of Justice  
DRF = Declared Rare Flora  
PER = Public Environmental Review

**ATTACHMENT 1 TO MINISTERIAL STATEMENT 706**  
**NOTICE OF CHANGES TO IMPLEMENTATION CONDITIONS**

(section 46C of the *Environmental Protection Act 1986*)

VOYAGER QUARRY, LOTS 11 AND 14 HORTON ROAD, THE LAKES,  
AVON LOCATION 1881, SHIRE OF NORTHAM

Pursuant to section 46C(1)(a) of the *Environmental Protection Act 1986*, the implementation conditions applying to the above proposal are changed in accordance with this Notice. I consider these changes to be of a minor nature and desirable in order to standardise conditions relating to different proposals.

[Signed 20 May 2015]

**HON ALBERT JACOB MLA**  
**MINISTER FOR ENVIRONMENT; HERITAGE**

- 
1. **Condition 7-1 of Ministerial Statement 706 is deleted.**



Attachment 2 to Ministerial Statement 706

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

This Attachment replaces Schedule 1 of Ministerial Statement 706

**Proposal:** Voyager Quarry, Lots 11 and 14 Horton Road, The Lakes, Avon  
Location 1881, Shire of Northam

**Proponent:** BGC (Australia) Pty Ltd

**Changes:**

- Increase in the disturbance footprint by 6.5 hectares.
- Removal of 'Quarry Operating Hours'.
- Removal of elements that are not key proposal characteristics, or managed under other legislation.

**Table 1: Summary of the Proposal**

Proposal Title	Voyager Quarry, Lots 11 and 14 Horton Road, The Lakes, Avon Location 1881, Shire of Northam
Short Description	The development and operation of a quarry incorporating excavation of approximately 60 million tonnes of hard rock, approximately 2 million tonnes of gravel and approximately 12 million tonnes of clay from the quarry footprint.

**Table 2: Key Proposal Characteristics**

Element	Previously Authorised Extent	Authorised Extent
Type of Project	Hard rock quarry	Deleted as incorporated into 'Summary of the Proposal'
Project Life	Approximately 50 years	Removed as not a key proposal characteristic
Rate of Extraction	6,000 to 10,000 t per day	Removed as regulated under Part V of the <i>Environmental Protection Act 1986</i>
Extraction Method	Conventional drilling, blasting, loading and hauling techniques	Conventional drilling, blasting, loading and hauling techniques
Location of Crushing and Screening Operations	Within the quarry pit, approximately 30 m below the ground surface.	Within the quarry pit, approximately 30 m below the ground surface.
Crushing and Screening Equipment	New equipment to be utilised onsite, incorporating improved pollution controls. Primary crusher will be housed within a noise reduction structure.	New equipment to be utilised onsite, incorporating improved pollution controls. Primary crusher will be housed within a noise reduction structure.
Final Quarry Dimensions	Length approximately 900 m Width approximately 450 m Depth approximately 50 m	Length approximately 900 m Width approximately 450 m Depth approximately 50 m

Element	Previously Authorised Extent	Authorised Extent
Footprint of Quarry Pit	Approximately 59 ha	Not more than 59 ha
Footprint of all Disturbances	Approximately 85 ha	Not more than 91.5 ha
Quarry Operating Hours	0700 hours to 1900 hours during land clearing and excavation activities on any day which is not a Saturday, Sunday or Public Holiday. <u>Normal Operating Times</u> 0700 hours to 1900 hours Monday to Friday 0700 to 1330 hours Saturday Note: No quarrying activities will be carried out on Sundays, public holidays or outside the permitted hours of operation as outlined above.	Removed as regulated under Part V of the <i>Environmental Protection Act 1986</i> and the Environmental Protection (Noise) Regulations 1997.
Major Components	Quarry Product Stockpiles Water Storage Dam Infrastructure (including processing plant, administration buildings, workshop and roads).	Quarry Product Stockpiles Water Storage Dam Infrastructure (including processing plant, administration buildings, workshop and roads).
Water Storage Dam Capacity	150,000 kL	150,000 kL
Water Supply Source	Surface runoff and groundwater seepage	Surface runoff and groundwater seepage
Average Daily Water Requirements	Summer – approximately 380 kL Winter – approximately 780 kL	Deleted as dust impacts are regulated under Part V of the <i>Environmental Protection Act 1986</i>
Maximum Annual Water Requirements	Approximately 95,000 kL	Deleted as dust impacts are regulated under Part V of the <i>Environmental Protection Act 1986</i>
Anticipated Quarry Yield	Gravel 1 to 2 million t Clay 12 million t approximately Hard rock 60 million t approximately	Deleted as not a key proposal characteristic. Incorporated into 'Summary of the Proposal'.
Protection and management of areas of remnant vegetation	<ul style="list-style-type: none"> <li>The covenanting of approximately 120 ha of native vegetation in good condition, held as freehold by the proponent, including the rehabilitation of the areas of native vegetation on the freehold land outside the proposed operational footprint, previously cleared by the proponent.</li> <li>Provision of not less than 15 km of fencing to protect remnant vegetation on land managed by the Department of Justice.</li> <li>Rehabilitation of approximately 60 ha of gravel pits and other degraded lands.</li> </ul>	<ul style="list-style-type: none"> <li>The protection and management of approximately 120 ha of native vegetation in good condition, held as freehold by the proponent, including the rehabilitation of the areas of native vegetation on the freehold land outside the proposed operational footprint, previously cleared by the proponent.</li> <li>Provision of not less than 15 km of fencing to protect remnant vegetation on land managed by the Department of Justice.</li> <li>Rehabilitation of approximately 60 ha of gravel pits and other degraded lands.</li> </ul>

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

**Table 3: Abbreviations**

Abbreviation	Term
ha	hectare
kL	kilolitre
km	kilometre
m	metre
t	tonnes

**List of Replacement Figures – all previous Figures are replaced by the following:**

- Figure 1      Locality of the Voyager II Quarry
- Figure 2      Voyager II Quarry Project Boundary and Project Footprint
- Figure 3      Areas of Lot 11 and Lot 14 Horton Road to be fenced

[Signed 27 May 2015]

**Dr Paul Vogel**  
CHAIRMAN  
Environmental Protection Authority  
under delegated authority



Figure 1: Locality of the Voyager II Quarry





Figure 3: Areas of Lot 11 and Lot 14 Horton Road to be fenced

 Fencing

### Attachment 3

**THIS DOCUMENT**

This document has been produced by the Office of the Appeals Convenor as an electronic version of the original Statement for the proposal listed below as signed by the Minister and held by this Office. Whilst every effort is made to ensure its accuracy, no warranty is given as to the accuracy or completeness of this document.

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Published on: 29 April 2013

Statement No: 934

**STATEMENT TO AMEND CONDITIONS APPLYING TO A PROPOSAL  
(PURSUANT TO THE PROVISIONS OF SECTION 46 OF THE  
ENVIRONMENTAL PROTECTION ACT 1986)**

VOYAGER QUARRY, LOTS 11 AND 14 HORTON ROAD, THE LAKES,  
AVON LOCATION 1881, SHIRE OF NORTHAM

**Proposal:** The development and operation of a quarry incorporating excavation of approximately 60 million tonnes of hard rock, approximately 2 million tonnes of gravel and approximately 12 million tonnes of clay from the quarry footprint. The total area of disturbance will be up to 85 hectares, documented in Schedule 1 of Statement 706.

**Proponent:** BGC (Australia) Pty Ltd

**Proponent Address:** BGC Corporate, PO Box 7223, Cloisters Square WA 6850

**Assessment Number:** 1931

**Previous Assessment Numbers:** 1413, 1863

**Report of the Environmental Protection Authority:** 1466

**Previous Reports of the Environmental Protection Authority:** 1169, 1406

**Previous Statement Number:** 706, 872

The implementation of the proposal to which the above report of the Environmental Protection Authority relates is subject to the conditions and procedures contained in Ministerial Statement No. 706, as amended by the following:

1. **Condition 6 of Statement 706 is deleted.**
2. **Condition 11 of Statement 706 is deleted.**

**3. Condition 12 of Statement 706 is deleted, and replaced with:**

12-1 Within six months of the date of this statement, the proponent shall prepare a Dust Monitoring and Remedial Action Programme, to the requirements of the CEO\*.

The objective of this Programme is to minimise and manage dust emissions emanating from and leaving the proposal site associated with all operations including land clearing, excavation, blasting, stockpiles and general operational activities such as screening, crushing and transport.

12-2 The proponent shall implement the Dust Monitoring and Remedial Action Programme required by Condition 12-1, and any subsequent updates as required by Condition 12-3.

12-3 The proponent shall review and revise the Dust Monitoring and Remedial Action Programme required by Condition 12-1 as required by, or with the approval of, the CEO\*.

12-4 The proponent shall make the Dust Monitoring and Remedial Action Programme required by Condition 12-1 publicly available in a manner approved by the CEO\*.

**4. Condition 17 of Statement 706 is deleted.**

**5. General Amendments**

This Statement supersedes Statement 872.

\* The Chief Executive Officer of the Department of the Public Service of the State responsible for the administration of section 48 of the *Environmental Protection Act* 1986, or his delegate.

[Signed 29 April 2013]

Albert Jacob MLA  
MINISTER FOR ENVIRONMENT; HERITAGE



## Attachment 4

### Statement 706 - BGC Voyager II Quarry

#### S45C Application

- Delete or Amend Scheduled items as per Section 2.

#### Section 46 Application

- Delete or Amend Conditions as outlined in Section 3.

*Prepared for*

#### **BGC Quarries**

August 2016

Holmes Environmental Pty Ltd ACN 143 154 456  
ABN 20 688 071 053  
18 Pindari Road  
Lesmurdie WA 6076  
08 9291 9284 or 0428 244 822  
[holmes.enviro@iinet.net.au](mailto:holmes.enviro@iinet.net.au)

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## 1 Introduction

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Voyager II Quarry, commissioned in September 2010, is a mature operation that has a steady record of continual environmental improvement and compliance with all aspects of environmental conditions applied under either Part IV or Part V of the *Environmental Protection Act 1986* (the EP Act). The quarry was designed and planned on the basis of best environmental practice, taking into account the opportunities offered by the terrain to mitigate emissions. State-of-the-art processing machinery was invested in to ensure emissions would be kept at a minimum.

The conditions attached to implementation of the quarry as Ministerial Statement 706 were published in December 2005. More than 10 years later, many of these conditions have either been implemented, deemed as no longer applicable, are no longer able to be reasonably implemented or are duplicative of regulations enforced by other jurisdictions.

This application seeks to modify and remove conditions from the statement to reflect the current standing of the quarry in the context of current environmental regulation and policy. Therefore, this application is presented in two sections:

- Section 2: an application is made under Section 45c of the EP Act for amendments to be made to the Schedules and Attachments to Statement 706;
- Section 3: an application is made under Section 46 of the EP Act in regard to the Conditions of Statement 706.

## 2 Application under Section 45C of the EP Act

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### 2.1 Changes to be Considered

The proponent requests that the Environmental Protection Authority (EPA) consider the following changes to Statement 706 which are further discussed in this section 2:

1. Schedule 2 of Statement 706: Delete as duplicates current Attachment 2;
2. Revise Item 9 (footprint of disturbance) of Att2/St706<sup>1</sup>: Increase area of disturbance;
3. Revise Item 17 (protection and management of areas of remnant vegetation) Att2/St706: New offset requested.

Att2/St706 is included in this document as Attachment 1.

### 2.2 Environmental Impact Assessment (EIA) Factors

This application is presented in accordance with *Environmental Assessment Guideline No.2 for changes to Proposals After Assessment*.

Of importance to this application are the factors considered by the EPA in its assessment of the proposal. As per Bulletin 1169 these were listed as follows.

*It is the EPA's opinion that the following factors for this proposal require detailed evaluation in this report:*

- a) direct impacts on flora and vegetation;
- b) indirect impacts on flora and vegetation;
- c) vertebrate fauna;
- d) invertebrate fauna;
- e) closure and rehabilitation;
- f) dust;
- g) ground and surface water;
- h) noise from vegetation clearing and site preparation;
- i) operational noise; and
- j) vibration.

*The EPA has also provided advice in relation to flyrock and community consultation.*

### 2.3 Content of the Original Proposal

The content of the original proposal was identified by the Key Performance Characteristics Table (Table 1 of Schedule 1, St.706), the description of the proposal in the Public Environmental Review (PER) document, and the EPA's report to the Minister (Bulletin.1169).

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<sup>1</sup> This shorthand used to avoid confusion with the attachments to Statement 706 to those of this document.

## 2 Application under Section 45C of the EP Act

- *Stage of implementation.* Part V operating licence was issued in September 2010 – the quarry has been fully operational since that date.
- *Compliance.* The proposal is fully compliant with Ministerial Conditions as per EPA letter November 2013 (ref CA03-2013-0032). A reply has not yet been received in regard to the previous AER submitted June 2015. The most recent compliance report submitted is for the period to 30th June 2016.
- *Conditions no longer applying:* Condition 4 (Time Limit of Approval), Condition 8 (Fauna Relocation), and Condition 9 (Trapdoor Spiders) accorded “cleared” status by the OEPA.
- Statement 872 issued 8 August 2011: Condition 6.1 (Operating Hours) replaced by a new Condition 6 for restricted operating hours.
- Statement 934 issued 29 April 2013:
  - Statement 872 replaced by Statement 934.
  - Conditions 6 (Operating Hours), 11 (Ambient Dust Standard), 17 (Ground Vibration Levels) of St.706 were deleted.
  - Condition 12 deleted and replaced by a condition for preparation and implementation of a Dust Monitoring and Remedial Action Program.
- Attachment 1 to Statement 706 issued 20 May 2015: Condition 7.1 (protection of bushland Lots 11 and 14) deleted.
- *Attachment 2 to Statement 706* issued 27 May 2015: Attachment 2 replaces Schedule 1 of Statement 706. Attachment 2 includes a revised Key Proposal Characteristics Table issued that included the following key changes:
  - Footprint of all Disturbances: Increased from 85 to 91.5 ha.
  - Operating Hours: Removed.
  - "Offsets Package" retitled "Protection and management of areas of remnant vegetation".
- Discussions with the OEPA indicate that items e, f, g, h, i and j, as listed in Section 2.2 above, plus the item pertaining to community consultation, may be more appropriately regulated through Acts and Regulations administered by other agencies and not through Ministerial Conditions.

### 2.4 Schedule 2 - Statement 706

The contents of Schedule 2 of Statement 706 “Proponents Environmental Management Commitments” was originally duplicated by the “offsets package” described in the Key Performance Characteristics Table of Schedule 1.

The commitments included:

1. Covenantee approx 120 ha of native vegetation held in freehold by the proponent.
2. Provision of not less than 15 km of fencing to (the then) Department of Justice.
3. Revegetation of approx 60 ha of gravel pits and other degraded land within the region managed by local or state authorities.

Schedule 2 serves no purpose that cannot be met by Attachment 2 to Statement 706.

## 2 Application under Section 45C of the EP Act

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**Application:** The proponent requests that the EPA delete Schedule 2. As part of the consideration of this request, the proponent draws the EPA's attention to the related request in section 2.5 below and related requests to change Conditions 1 and 2 in the concurrent section 46 application.

### 2.5 Protection and management of areas of remnant vegetation

Protection and management of areas of remnant vegetation is given effect through Attachment 2 of Statement 706 as of the 27 May 2015. The proponent seeks to change the three items that constitute "protection and management of areas of vegetation" in Attachment 2 on the basis the current items cannot be reasonably implemented. Set out below are reasons why these items are unable to be reasonably implemented, and an alternative proposal to meet the original objective of the commitment.



## 2 Application under Section 45C of the EP Act

### 2.5.1 EPA Offsets Policy (Sep 2011)

The current EPA Offsets Policy is pertinent to the review of Item 17 of Att2/St.706.

Offsets Guidelines (August 2014) lists the following types of offsets:

- Land Acquisition Offsets. *These involve the protection of environmental values through improved security of tenure or restricting the use of the land. This may be achieved through ceding freehold land to the Crown for conservation purposes or perpetual covenants for conservation.*

Offsets Guideline: *"This may be achieved through ceding freehold land to the Crown for conservation purposes or perpetual covenants for conservation ... the need for ongoing management must be considered".*

- On-Ground Management. *This includes revegetation (re-establishment of native vegetation in degraded areas) and rehabilitation (repair of ecosystem processes and management of weeds, disease or feral animals). The objective of on-ground management actions is tangible improvement to environmental values in the offset area.*

Offsets Guideline: *This includes revegetation (re-establishment of native vegetation in degraded areas) and rehabilitation (repair of ecosystem processes and management of weeds, disease or feral animals). The objective of on-ground management actions is tangible improvement to environmental values in the offset area.*

- Research Projects. *Research project offsets ... must be reasonably related to the impact. Research projects can add significant value to the outcomes of on-ground management and the understanding of the environmental value being impacted.*

### 2.5.2 Item 17 Attachment 2: Fencing

**Summary.** The fencing aspect of Item 17 Att2/St.706 does not appear to meet EPA offset guidelines. The proponent has exhausted all reasonable possibilities of seeking to comply with this requirement.

The fencing aspect of Item 17 Att2/St.706 addresses the "On-Ground Management" element of the WA Government's Environmental Offsets Policy. However, its application does not appear to meet the WA Government Environmental Offset Guidelines (Aug 2014) in terms of Appropriate Offsets (Relevance and Proportionality) or Sound Knowledge (Scientifically robust) or Quantification of Offsets (Likely success of rehabilitation).

The item is not 'like-for-like' in terms of benefitting the same environmental value that was impacted. It is disproportionate to the level of impact and significance of the environmental value that was impacted. It is not a scientifically robust offset insofar as the provision of fencing is a discrete action. Installing and maintaining fencing and protecting and managing areas of remnant vegetation within the fencing on land not held by the proponent is a separate matter and beyond the reasonable control of the proponent. This casts uncertainty over the likely success of rehabilitation. The proponent is unaware of the land operators experience in undertaking rehabilitation or evidence that the environmental values can be rehabilitated.

The land referenced is Wooroloo Prison managed by (the then) Department of Justice, now Department of Corrective Services. Efforts to implement the fencing have been unsuccessful due

## 2 Application under Section 45C of the EP Act

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to a lack of interest and/or engagement by the Wooroloo prison management hierarchy as outlined below.

The proponent has attempted three avenues of communication to discuss and resolve this specific matter. Mr Peter Yates (Manager Safety & Environment) has been in telephone contact on multiple occasions with Wooroloo Prison management to clarify if the original undertaking remained of relevance to the Wooroloo Prison or not. Mr Carl Barrett (Group Manager, Energy and Environment) contacted the Department of Corrective Services twice through its online portal to establish the appropriate Departmental contact given the futile attempts to deal directly with Wooroloo prison. In a final attempt to resolve the matter, BGC Quarries General Manager, Mr Craig Hollingsworth, escalated the matter to the Commissioner in name, Department of Corrective Services (2 March 2016) and sought a response within a reasonable timeframe (Attachment 2). Neither approach has resulted in a response, negative or positive, from prison management authorities.

**Application:** As the fencing aspect of Item 17 does not appear to meet WA Government offset guidelines and because the proponent has exhausted all avenues of seeking to comply with the requirement to the point where it can no longer be reasonably implemented, the proponent requests that the it be deleted from Element 17 of Att2/St706.

## 2 Application under Section 45C of the EP Act

### 2.5.3 Item 17 Attachment 2: Revegetation

**Summary.** The revegetation aspect of Item 17 Att2/St.706 does not appear to meet EPA offset guidelines. The proponent has exhausted all reasonable possibilities of seeking to comply with this requirement.

The revegetation aspect of Item 17 Att2/St.706 addresses the "On-Ground Management" element of the WA Government's Environmental Offsets Policy. However, its application does not appear to meet the WA Government Environmental Offset Guidelines (Aug 2014) in terms of Appropriate Offsets (Relevance and Proportionality) or Sound Knowledge (Scientifically robust) or Quantification of Offsets (Likely success of rehabilitation).

The item is not 'like-for-like' in terms of benefitting the same environmental value that was impacted. It is disproportionate to the level of impact and significance of the environmental value that was impacted. It is not a scientifically robust offset insofar as any initial revegetation activity is a discrete action. Maintaining, protecting and managing areas of remnant vegetation within land not held by the proponent is a separate matter and beyond the reasonable control of the proponent. This casts uncertainty over the likely success of rehabilitation. The proponent is unaware of the land operators experience in undertaking rehabilitation or evidence that the environmental values can be rehabilitated.

To date, the proponent has rehabilitated a gravel pit (off Carter Road, Beechina, Shire of Mundaring) comprising an area of between five and six hectares via seed-bank topsoiling in 2007. Neither the Shire of Mundaring nor the Shire of Northam has identified any further opportunities for rehabilitation projects to the proponent since.

Mssrs Yates and Hollingsworth sought to address this formally through meetings with the Shire of Northam on 10 February 2016 and subsequently on 24 May 2016 in which the matter of rehabilitation sites was reiterated, but no further communication or correspondence has been received from the Shire.

**Application:** As the revegetation aspect of Item 17 does not appear to meet WA Government offset guidelines and because the proponent has exhausted its avenues of seeking to comply with the requirement to the point where it can no longer be reasonably implemented in a timely manner, the proponent requests that it be deleted from Element 17 of Att2/St706.

### 2.5.4 Item 17 Attachment 2: Protection and management of ~120ha of native vegetation

**Summary.** The objective of protection and management of approximately 120ha of native vegetation in good condition would be better served through means other than a time-limited restrictive covenant on freehold land held by the proponent. The proponent requests an alternative offset consistent with modern environmental offset policy.

The protection and management of native vegetation aspect of Item 17 Att2/St.706 addresses the "Land Acquisition" element of WA Government's Environmental Offsets Policy. WA Government Environmental offset guidelines cite "this may be achieved through ceding freehold land to the Crown for conservation purposes or perpetual covenants for conservation."

## 2 Application under Section 45C of the EP Act

Protection and management of 120ha of native vegetation in good condition, held as freehold, by the proponent, was originally described as a covenant and appeared in the original Schedule 1 and Schedule 2 of Statement 706. Considered review of the matter by the OEPA in 2015 resulted in the replacement of Schedule 1 by Att 2/St.706 inclusive of a change in terminology from "covenanting" to "protection and management". If covenanting was pursued, it could only be effected until a point in time after which it would be discharged. The relevance of a time-limited restrictive covenant to longer-term environmental outcomes is questionable.

Set out below are reasons why a better environmental outcome can be achieved through means other than a time-limited restrictive covenant on freehold land held by the proponent.

Principle 6 of the Environmental Offsets Policy states that "*environmental offsets will be focussed on longer term strategic outcomes*", and the associated offsets guidelines states "*in some cases, a better environmental outcome can be achieved by considering offsets at a landscape rather than a local scale.*"

The initial flora survey over Lots 11 and 14 was conducted by Mattiske (2002). At the time, no Declared Rare Flora species gazetted under the *Wildlife Conservation Act (1950)* were recorded. However the species *Hemigenia viscida*, found within the project area, was listed as *Priority 4 (Rare Flora)* on the State *Declared Rare and Priority Flora List* and as *Vulnerable* under the *Environment Protection and Biodiversity Conservation Act (1999)* (EPBC Act). Since the original survey the conservation status of *Hemigenia viscida* has been updated and this species is no longer listed under the *Wildlife Conservation Act (1950)* or the *Environment Protection Biodiversity and Conservation Act 1999* as a *Priority species* or a *threatened species* respectively. A re-survey of flora in parts of Lots 11 and 14 was conducted by Mattiske in December 2015 (Attachment 8). The survey report noted the change in the conservation status of *Hemigenia viscida*. The report also noted the environmental value of the heath communities on the western section of the project area and that the three main vegetation complexes within the area are well represented within the conservation estate.

In January 2015 a fire that started on land owned by the Water Corporation crossed the Great Southern Highway and burned the southern areas of Lots 11 and 14. In February 2016 a second fire that started on the corner of Horton Road and Great Southern Highway burned through approximately 65 hectares, right up to the operational boundary of the quarry. Fire and Emergency Services Authority of WA (FESA) tackled the fires with aerial bombing and on-ground crews. During the fire fighting response FESA felled one tree and the fire burnt a second tree of the three trees that were originally identified within the Voyager II area that were previously considered as potential Carnaby Cockatoo habitat. Attachment 9 shows the original location of these trees. The last remaining tree will continue to be protected, though it has a native bee hive which would diminish the likelihood of it being used by Carnaby cockatoos.

A recent satellite photograph of the area (Attachment 5) shows the extent of the fire damage. Parts of the damage are so severe that the vegetation may be unlikely to return back to its former state within a time-limited covenant. The fire-damaged vegetation can no longer be described as in "good condition". The fires may have caused the significance of establishing a time-limited local scale covenanted area to be lost.

In addition to the changes in vegetation condition since the original survey in 2002 and the changes in conservation status of vegetation that was previously deemed Declared Rare Flora, planning policy has also changed in recognition of an holistic approach to sustainable development.

## 2 Application under Section 45C of the EP Act

The Voyager II quarry is a critical and strategic resource of basic raw materials (BRM) to the Perth and Peel regions with known reserves to 2050. It is currently the largest supplier of crushed rock to the metropolitan market. To sterilise a known future BRM resource with a restrictive covenant would compromise the development and industrial capability of the Perth and Peel regions in the future.

In this respect, The Rowe Group was engaged by the proponent to review the relevant statutory and strategic planning documents applicable to the lots 11 and 14 Horton Road in terms of their recognition as a source of BRM and also any potential environmental implications. The review demonstrated that lot 14 is recognised for the supply of BRM and Lot 11 is recognised both for its potential to supply BRM and also for its environmental significance, but there is a whole-of-government incentive to protect the site as a BRM resource notwithstanding any potential environmental significance. A brief summary of the report is outlined below and the full report is provided as (Attachment 10).

### *State Planning Strategy 2050*

- identifies the need for planning initiatives that look to protect and manage our natural resources.
- aims to provide BRMs for the purpose of economic and infrastructure growth.
- recognises that urban development and conservation initiatives strangle the potential of future BRM extraction sites.

### *Directions 2031 and Beyond*

- Supports the development of contemporary policy responses to deal with the protection of important natural resources that are fundamental to supporting our local economy.

### *Draft Perth and Peel @ 3.5million*

- indicates that there is a decreasing supply of BRMs due to increasing population and therefore housing demand.
- notes Lot 11 of the subject site is one of the sub-region's 'Regionally Significant Basic Raw Material' sites.

### *Draft Perth and Peel Green Growth Plan for 3.5 Million*

- the 'Strategic Conservation Plan' together with the corresponding 'Action Plan D – Basic Raw Materials' identify that BRM extraction is essential in the future expansion of the City and therefore needs to be protected.

### *Avon Arc Sub-Regional Strategy*

- the Avon Arc Sub-Regional Strategy also recognises the importance of BRM extraction and provides guidance for cohesive planning approaches to exploit known BRM sites while managing and rehabilitating native habitat and rural landscape back to its original state.

### *State Planning Policy 1 'State Planning Framework Policy'*

- recognises the importance of protecting and managing our natural resources while still protecting our environment.
- indicates that our environmental protection areas and BRM sites should be planned for cohesively.

## 2 Application under Section 45C of the EP Act

### *State Planning Policy 2.4 'Basic Raw Materials'*

- intends on minimising impact on the environment while still exploiting the 'Key Extraction Areas'.
- Lots 11 and 14 identified within or abutting 'Key Extraction Areas' or 'Extraction Areas'.

### Pertinent matters for Lots 11 and 14 arising from the draft *Green Growth Plan* (see **Attachment 3**):

- The *Green Growth Plan*, *Action Plan D* identifies the highest priority BRM resources as *Significant Geological Supply Nodes*. These are strategic resources required for the present and future metropolitan development. Within the boundary of the assessment area there are only three nominated rock resources - the Red Hill, Gosnells, and Whitby supply nodes.
- All BRM supply nodes have been mapped for *Exclusion*, *Further Investigation* and *Future Resource Extraction Areas* - identified within the assessment area map as red, amber and green. This assessment has not yet been mapped for *Voyager II Quarry*.
- Even though Red Hill, Gosnells and Whitby supply nodes are defined as *Significant Geological Supply Nodes* for rock resources, *Voyager II Quarry*, is the largest single source of crushed rock to the metropolitan market, currently supporting the metropolitan market for
  - 20 to 30% of asphalt needs,
  - 25 to 35% of concrete requirements, and
  - 20 to 30% of pavers and bricks.
- The assessment boundary of the *Green Growth Plan* runs between Lots 11 and 14 of land purchased for the development of *Voyager II Quarry*. Extension of *Voyager II Quarry* within Lot 14 would require the inclusion of *Voyager II* within the status of *Significant Geological Supply Nodes*. Inclusion of the Shire of Northam within the assessment boundary would have the same effect.

### Pertinent matters for Lots 11 and 14 arising from the WAPC *Statement of Planning Policy No.2.4*:

- Shire of Northam is included within the Policy boundary area. Figure 2 of the Policy indicates Lot 7 that includes the now abandoned *Voyager I Quarry* as a *Priority Resource Location*. The policy is dated as of now because *Voyager I* operations have now moved from Lot 7 to Lots 11 and 14 purchased by the proponent.
- "*These (BRM) materials are produced relatively cheaply, with the major cost being the transport to the construction site. A ready supply of basic raw materials close to established and developing parts of the metropolitan region is, therefore essential in keeping down the costs of land development and contributing to affordable housing*".
- "*The availability of basic raw material resources close to Perth is declining as the City expands. Many sites which would otherwise be suitable occur in locations where planning and environmental impacts preclude or severely constrain extraction*".

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The *Shire of Northam Local Planning Strategy (July 2013)* includes the following statement on BRM :

- *State Planning Policy 2.4* sets out the principles and considerations that apply to the Shire of Northam. Relevant aspects of this policy include:
  - Identification of location and extent of known BRM.
  - Protection of priority resource locations, key extraction areas and extraction areas from being developed for incompatible land uses.
  - Provide a consistent planning approval process for extractive industry proposals.

An extract of the *Shire of Northam South West Local Planning Strategy Map* is included in (Attachment 4). Lots 14 and 7 that contain Voyager II Quarry and the abandoned Voyager I Quarry respectively are zoned for extractive industry.

**Application:** In consideration of the local scale environmental value of freehold land held by the proponent, the lack of robustness of a time limited restrictive covenant to support longer term environmental values and the strategic policy and planning frameworks that support the protection of BRM resources for the future development of Perth and Peel metropolitan areas, the proponent requests an alternative environmental offset, consistent with modern environmental offset policy to support the objective of the original commitment of protecting and managing native vegetation.

### 2.5.5 Alternative proposal to meet the original objective of the commitment

It may be more environmentally effective to align the application of offsets with a coordinated and strategic approach at a landscape level rather than local scale. The Department of Parks and Wildlife (DPAW) has advised the proponent that there is a property in Clackline which has similar vegetation and property characteristics to that at lots 11 and 14 Horton Road. If the EPA is amenable to amending the current offset requirements, a new package could potentially be developed around this property on a 'like-for-like' basis. Similarly, the proponent is willing to contribute on a 'like-for-like' basis to any conservation reserve systems that may emanate from the Perth and Peel Green Growth Plan for 3.5 million.

## 2.6 Attachment 2, Statement 706 - Element 9, Area of Disturbance

### 2.6.1 Summary

An application is made under Section 45c of the EP Act to increase the area of disturbance for Voyager II as outlined in this Section below.

- The approved footprint of disturbance is requested to be increased from 91.5ha to 108.5 ha
- Conditions set by the EPA, relevant to the environmental factors remain only with the maintenance of fencing as per Condition 7. An application is made in Section 3 below for the amendment or deletion of the remaining elements of Condition 7.
- *Hemigenia viscida*, a Priority 4 listed species found within the project area at the time of the initial survey, is no longer listed under the *Wildlife Conservation Act (1950)*.

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- A recent survey of the areas proposed to be impacted (Mattiske 2015, Figure 1) indicates that the vegetation species found within Lots 11 and 14 are found beyond the boundaries of the proposed extended areas of disturbance.
- Work conducted prior to ground disturbance in compliance with the Fauna Relocation and Habitat Plan indicated native fauna to be poorly represented in Lots 11 and 14 – those that are present are highly mobile and are not listed as endangered.

### 2.6.2 Environmental Factors

The footprint of disturbance has relevance to the “environmental factors” considered for evaluation by the EPA (Bulletin.1169). These include indirect and direct impacts on flora and vegetation, vertebrate fauna and Invertebrate fauna.

Condition 7 *Protection of Bushland* and the “Protection and management of areas of remnant vegetation” (Item 17 of Condition 2 and as duplicated in Statement 706 Schedule 2) were imposed in consideration of the factor “indirect impacts on vegetation”. Condition 7.1 has since been deleted and an application for the deletion of Conditions 7.2 and 7.3 are included as a section 46 application set out in Section 3 of this document.

Condition 8 (Fauna Relocation) was imposed in consideration of the factor “vertebrate fauna”. This condition has been accorded “cleared” status by the OEPA.

Condition 9 (Trapdoor Spiders) was imposed in consideration of the factor “invertebrate fauna”. This condition has been accorded “cleared” status by the OEPA.

### 2.6.3 Proposed Area of Disturbance to be Expanded

The request for expansion of the Allowable Area of Disturbance includes the following:

- Approximately 0.3 ha for a car park adjacent to the administrative offices (Attachment 6, Figure 1)
- Approximately 16.7 ha for the construction of a bund to further mitigate noise and dust and improve neighboring amenity between the western boundary of the quarry operational area and the boundary of Lots 11 and 14 (Attachment 6, Figure 2).

Amounting to an additional 17 ha requested for both the car park and bund.

**Parking:** Visitor and staff parking have up until now been accommodated in the limited space in front of and on the north side of the administration building that is open to the mine site. For security and safety reasons the proponent seeks for additional parking space to direct light passenger vehicles to prevent unauthorised access into the mine site. The proposed car park (Attachment 6, Figure 1) will direct the flow of visitors to a secure car park where they will be required to sign in at the administration building. As traffic flow currently exists, light vehicles are able to drive directly into the quarry processing area.

**Noise & Dust Bund:** The proposal is to extend a bund between the quarry operational area and the Lot 11/14 boundary as indicated in (Attachment 6, Figure 2). The bund will serve two purposes:



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- improve the amenity of residents to the west of the quarry operations by further mitigating noise and dust;
- optimise the utilisation of the approved 85 ha mine site for quarrying development.

**Amenity:** Mitigation of noise and dust emissions is important due to the nearest residents being downwind of the predominant wind direction in warmer months. The proponent has been successful in reducing both noise and dust emissions to a level substantially below regulatory requirements. However, it acknowledges community expectations of amenity and to this end, it is the objective of the proponent that noise and dust emissions are mitigated, as far as reasonably practical, such that nearby residents should, in usual circumstances, be unaware of Voyager II operations. Noise modelling by *Herring Storer Acoustics* presented in Attachment 7 shows the currently modelled noise emission contours as Map 1. The impact of the current bund located immediately to the west of the primary crusher can be observed to significantly pull in the 35 dB contour line from where it would otherwise occur. Map 2 shows the modelled noise contours<sup>2</sup> predicted for the current bund to be doubled in height. The modelling indicates that the 45 dB noise contour would exist well within Lot 11 and 14. BGC's intention is to extend this bund all the way up the West side of the operational area which should substantially improve neighboring amenity to the majority of the residents on the Western side of the Voyager II quarry.

Beyond the existing dust control measures in place per the approved *Dust Monitoring & Remedial Action Programme*, the vegetation cover between the western boundary of the operational area and Horton Road acts to provide natural assistance in mitigating dust emissions that may transcend the operational boundary. The profile of the vegetation disturbs low-level laminar air flow - resulting in turbulent flow that enhances mixing of overflowing air strata with the lower strata between trees and the understory allowing dust to be captured within the forest environment. The profile of the proposed bund will considerably enhance turbulent air flow on the lee side of the bund during easterly airflow - resulting in greater mixing of the surface air layer within the forest environment to west. Furthermore, the revegetated bund slopes will serve to trap and hold any escaping dust emissions.

**Optimisation of resource:** The difference between the approved area of disturbance and the approved quarry footprint (Attch2/St.706) does not reconcile with the reasonable requirement for a mining operation to reserve sufficient space to store overburden. It does not appear to take into account the space required for access, processing and support facilities that exist in area approved as *Footprint of Quarry Pit*.

Although a small proportion of the overburden that has acceptable clay content has a market value and can be sold offsite, there remains a considerable proportion that must to be stored elsewhere. To date overburden has been stored within the 85ha operational area or by back-filling as a temporary storage solution. Back-filling the previously leased Voyager I quarry void has been explored, however the landowners are unwilling to allow the proponent access to the area to do so. The onsite storage of overburden is a problem because it is sterilising areas approved for quarrying. The aerial photograph in (Attachment 5) demonstrates that about forty percent of the area north of the processing area is taken up by overburden storage. This is not

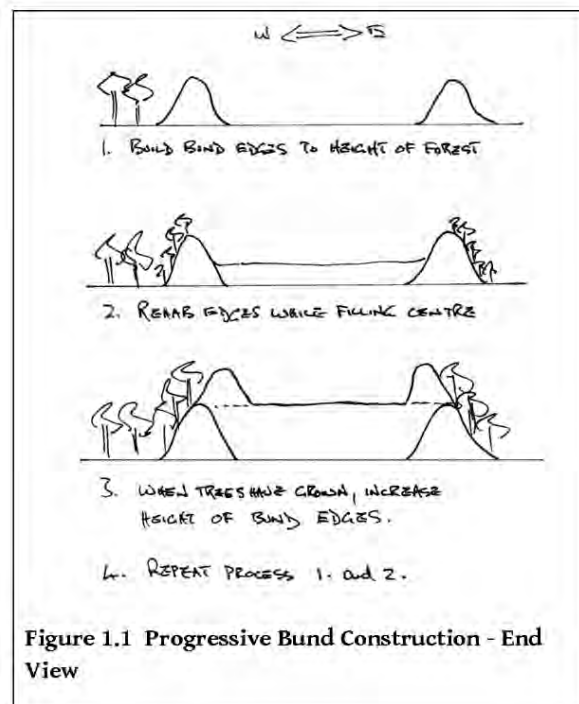
<sup>2</sup> Note that since 2007 *Herring Storer's* acoustic measurement and modelling work has been an iterative process with modelling continually updated by the most recent measurement studies.

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economically efficient which has an impact down the supply chain, and it also results in more environmental emissions from double handling.

**Bund development methodology:** It is proposed to progressively construct a bund in the area indicated in Attachment 6, Figure 2, starting at the southern end and progressing over time in a northerly direction - with rehabilitation of the bund proceeding behind construction. Each section of the bund will be constructed as indicated in Figure 1 below - where the outer bund walls are constructed first, then rehabilitated with the inner area filled while the rehabilitated bund walls are allowed to mature. The progressive rehabilitation process will ensure that the forested viewscape will continue to be visible from beyond the boundaries of Lots II and 14, thus maintaining visual amenity.

The removal of overburden dumps from within the approved 85 ha quarry footprint to the area indicated in Attachment 6, Figure 2 will immediately allow an orderly quarry development process to commence, and an orderly improvement in neighboring amenity.



### 2.6.4 Detrimental Effects of the Original Proposal

#### Environmental Factors

The footprint of disturbance relates to the “environmental factors” considered for evaluation by the EPA (Bulletin.1169).

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### Flora & Vegetation

The initial flora survey for the proposal was conducted over Lots 11 and 14 by Mattiske (2002). More recently, the expansion area now proposed for the noise and dust bund has been re-surveyed by Mattiske (2015). As part of the brief, Mattiske (2015) actually surveyed a larger area beyond that indicated in Attachment 6, Figure 2 (see Attachment 8, Figure 1).

No Declared Rare Flora (DRF) species gazetted under the *Wildlife Conservation Act (1950)* were recorded during the surveys. However, at the time, *Hemigenia viscida*, was listed as Priority 4 (Rare Flora) on the State Declared Rare and Priority Flora List and listed as Vulnerable under the *Environment Protection and Biodiversity Conservation Act (1999)* (EPBC Act), was recorded at the site.

However, Mattiske (2015) reports:

*Since this time the conservation status of this species has been updated and this taxon is no longer listed under the Wildlife Conservation Act (1950) or the Environment Protection Biodiversity and Conservation Act 1999 as a Priority species or a threatened species respectively (November 2015). Consequently, no Threatened or Priority flora species were recorded within the proposed expansion area to the Voyager Quarry (Department of Parks and Wildlife 2015a and 2015b; Department of the Environment 2015a).*

Furthermore, additional searches were conducted for the species:

*Despite these changes in listings, in the recent field assessment every effort was made to re-assess the populations in the proposed expansion area (where none were located) and in the main heath area (formerly labelled H5 – Figure 2) to the west of the proposed expansion area (where by foot traverses a total of 1078 plants were recorded, including varying ages of plants). The H5 heath area previously supported 1612 plants in 2002 (Mattiske Consulting 2002 – Figure 4.11) and as such was one of four areas that supported the Hemigenia viscida species. Of these four heath areas (H1 – 20 plants; H5 – 1612 plants; H9 – 9 plants and H10 – 65 plants) the avoidance of the majority of H1 and H5 during the previous expansions has led to only minor changes on the site from previous clearing activities.*

Mattiske (2015) recommends the following:

*Although this plant species is no longer listed it is recommended that the heath communities in the western section of the project area that supported this species are protected wherever possible in any expansion as these communities support a range of species that do not occur in the forested areas within the Voyager project area. Further these heath communities provide foraging opportunities for a range of other bird and fauna species and also a diversity of structural features (heath) that are not extensive in the wider forest areas. In Western Australia, Hemigenia viscida has been recorded previously on the eastern edge of the jarrah forest and in pockets within the wheat belt (Appendix C). As mentioned in the 2002 report by Mattiske Consulting a further 110 plants were recorded within a heath community on Mundaring Shire land to the west of Horton Road, and south of a Mundaring Shire gravel quarry pit.*

### Vertebrate and Invertebrate Fauna.

In consideration of the factors "Vertebrate Fauna" and "Invertebrate Fauna", Condition 8 (for a Fauna Relocation Plan) and Condition 9 (Investigation into the local distribution of trapdoor spiders) were imposed. These conditions have been accorded "cleared" status by the EPA.

## 2 Application under Section 45C of the EP Act

The implementation of the approved *Fauna Relocation and Habitat Plan* resulted in negligible outcomes – the overall outcome included the capture and relocation of eleven *Antichinus*, that are locally common, and one brushtail possum, a mobile species which would have moved of its own accord during clearing. Neither the *antichinus* or possum being of conservation significance. This was conducted at a cost of 1,206 trap nights, extensive ground searches for reptiles and employment of a sniffer dog to search for reptiles and echidna. Consequently, the direct impacts on vertebrate fauna for the proposed bund will be negligible given that the vegetation and terrain habitats are both common and widespread in the greater region.

Condition 706:9 (Trapdoor Spiders) was imposed in consideration of the factor “Invertebrate Fauna”. Condition 9 was “cleared” by the EPA subsequent to the submission of the report in July 2007 verifying that the trapdoor spider species within the project area is common in the locality.

Mattiske (2015) recommends the following regarding vertebrate fauna:

*In summary, the proposed expansion area should have minimal impact on the vertebrate fauna species due to the general absence of suitable hollows in the coppicing trees. The areas to the west, north and south of the proposed expansion will enable fauna movement and foraging and as such in part offset the proposed clearing activities.*

### 2.6.5 Detrimental Effects of the Change

#### Flora & Vegetation

Mattiske (2015) summary of Vegetation impacts:

*In summary, the proposed expansion area should have minimal impact on the flora species as no listed flora species occurred within the proposed expansion area and the communities supporting the species all extend past the boundaries of the expansion area and several of the larger heath areas which are of particular interest occur in the areas that are to be protected outside the expansion area.*

#### Fauna

The PER (2002) identified 17 mammal species, 9 frog species and 31 reptile species that may occur within the locality of which one species is classified as *Vulnerable* or *Threatened*. Animals likely to be harmed as a consequence of clearing were subject to a Vertebrate Relocation Plan (Condition 8). However, action taken in compliance with Conditions 8 (Vertebrate Fauna) and 9 (Trapdoor Spiders) revealed a paucity of vertebrate fauna and that Trapdoor Spiders were common in the locality.

Mattiske (2015) summary of impacts on vertebrate and invertebrate fauna:

*In summary, the proposed expansion area should have minimal impact on the vertebrate fauna species due to the general absence of suitable hollows in the coppicing trees. The areas to the west, north and south of the proposed expansion will enable fauna movement and foraging and as such in part offset the proposed clearing activities.*

*Several land snails were previously recorded on the BGC Voyager quarry site, however the previous survey results from 2002 indicated that the diversity was low and that there is an impoverished molluscan fauna population in this part of the Darling Range. Consequently the proposed expansion of the Voyager quarry is unlikely to have any significant impact on these species.*

## 2 Application under Section 45C of the EP Act

### 2.6.6 The Extent of the Impact

The areas proposed for increased areas of disturbance are shown in Attachment 6.

### 2.6.7 Resilience of the Environment to Cope with this Impact

The extent of the impact is described in Mattiske (2015).

The noise and dust bund will be progressively rehabilitated as construction proceeds. Rehabilitation will include spreading of topsoil removed ahead of the bund construction, mulching using vegetation removed ahead of the bund construction, and tree and shrub planting of locally indigenous species. These methods will ensure the best possible chance for the return of the pre-existing vegetation to surface of the rehabilitated bund. Visual impacts will be mitigated by employing the process indicated in Figure 1.1 above.

### 2.6.8 Additional Detrimental Effects

#### Additional Detrimental Effects

The proposal to increase the area of disturbance from 91.5 ha to 108.5ha would represent an additional detrimental environmental effect per the environmental factors considered by the EPA. The footprint of disturbance relates to the factors of "direct impacts on vegetation", "vertebrate fauna" and "invertebrate fauna".

#### Different detrimental effects

The proposed changes to the KPC table (Attachment 1 to this document) are not different to the environmental factors considered by the EPA (Bulletin.1169).

### 2.6.9 Significance of the additional or different detrimental environmental effects

As per Sections 2.6.5 above, there are no *different* detrimental environmental effects of the proposed changes. However the *additional* detrimental environmental effects will be due to the expansion of the disturbed area from 91.5 to 108.5ha (Item 9 of Att2/Sl.706).

#### The Values, Sensitivity and Quality of the Environment that is Likely to be Impacted

See Section 2.6.4 above

#### The Extent of the Likely Impacts

Intensity: Native Vegetation will be completely removed from the areas indicated in Attachment 6.

#### Duration:

Parking Area: This area is proposed to be permanently hard surfaced for car parking.

The Noise and Dust Bund: This area will be progressively rehabilitated as construction proceeds. Rehabilitation may include the spreading of any topsoil removed ahead of the bund construction, mulching using the vegetation removed ahead of the bund construction, and tree and shrub planting of locally indigenous species. These methods will ensure the best possible chance for the return of the pre-existing vegetation to surface of the rehabilitated bund.

## 2 Application under Section 45C of the EP Act

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### Geographic Footprint

As indicated in Attachment 6, Figures 1 and 2.

### The Consequence of the Likely Impacts

The native vegetation communities impacted by the proposed changes are both widespread in the greater region and are protected within extensive reserves.

### Resilience of the Environment to Cope with this Change

See comments in Mattiske (2015) report.

### The Cumulative Impact of Changes to the Proposal, Level of Confidence of the Impacts Predicted

The aspect of cumulative impacts refers under EPA Guidelines to Strategic Proposals, a Significant Proposal or an Implemented Significant Proposal – neither of which relate to the assessment of the Voyager Quarry Relocation proposal as assessed by the EPA. Furthermore, the Voyager II Quarry is an isolated project not impacting on or having cumulative impacts on other nearby proposals.

#### 2.6.10 Consultation

A Community Liaison Group (CLG) was established in compliance with Condition 19 and is maintained by the quarry operator. Condition 19.5 requires representation by local residents, local government (Mundaring and Northam Shires), and government agencies including Department of Environment to be represented on the CLG. Local residents and government agency representatives no longer attend the meetings now solely attended by representatives of the Shire of Northam and the quarry operator. Local residents last attended the CLG on 28 February 2011. Nevertheless, information made available at the meetings is distributed to the members via mail services, regardless of non-attendance.

#### 2.6.11 Current Environmental Management Plans

Environmental management for native vegetation areas on Lots 11 and 14 is limited to managing fire risks and restricting non-approved access to these areas. There will be no change to these practices.

#### 2.6.12 Existing Ministerial Conditions

There is no existing Ministerial Conditions in recent Ministerial Statements that currently relate to the application.

The proponent requests that the EPA consider an application for the deletion/modification of certain conditions of Statement 706 as discussed below.

### 3 Application under Section 46 of the EP Act

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#### 3.1 Condition 1 – Implement Schedule 1

Condition 1 requires the implementation of Schedule 1. Schedule 1 was replaced by Attachment 2 to Statement 706 in May 2015. As part of the overall changes proposed in this application, it would be prudent to update the terminology to re-align with Attachment 2.

**Application:** The proponent requests that the EPA substitute the words "schedule 1" with "attachment 2" under Condition 1.

#### 3.2 Condition 2 - Implement Schedule 2

Condition 2 requires the implementation of Schedule 2. This document includes an application under Section 45c of the EP Act to remove Schedule 2 on the basis it serves no purpose that cannot be met by Attachment 2 to Statement 706 (see section 2.4 of this document).

**Application:** The proponent requests that the EPA delete Condition 2. As part of the consideration of this request, the proponent draws the EPA's attention to the related request in section 3.1 above, and section 2.4 in the concurrent section 45c application.

#### 3.3 Condition 5 - Compliance Audit and Performance Review

Condition 5 exists to demonstrate compliance with a depleted set of conditions that already have, or are now being requested for further modification or deletion. The recently reformed Annual Audit Compliance Report (AACR) framework required annually by the Department of Environment Regulation as part of its licencing regime may be a more appropriate mechanism to achieve the same purpose as this condition originally sought. Current offsets in line with WA Government environmental offset guidelines are now registered with the online Environmental offsets register and as such is a public record of all offset agreements in Western Australia. The register is administered by the Department of Environment Regulation.

**Application:** The proponent requests that the EPA consider modification of Condition 5 of Statement 706 in lieu of this application and the recently reformed AACR framework and environmental offsets register.

#### 3.4 Condition 7.2 and 7.3 – Protection of Bushland

Condition 7.1 was deleted in May 2015 under Section 46 of the EP Act. Conditions 7.2 and 7.3 relating to fencing remain.

Fencing of the perimeter of Lot 11 and Lot 14 Horton Road, and the perimeter of the operational boundary has been installed as required by condition 7.2. The intention to fence the boundaries of Lots 11 and 14 may have been to protect the bushland as part of the time bound covenant, if the proposed changes to the protection and management of areas of remnant vegetation are approved then the fencing may not be required. Under the *Shire of Northam Extractive Industries Local Law 2008*: Section 6.2 (a) "securely fence the excavation to a standard determined by the local government and keep the gateways locked when not actually in use in order to prevent unauthorised entry".

### 3 Application under Section 46 of the EP Act

There is also legal duty of care to ensure that unintended or unlawful access to the mining void does not result harm to members of public. Therefore, it is in the proponents interest to maintain the fencing of both the outer and operational boundaries of Lots 11 and 14. Application: The proponent requests that Conditions 7.2 be deleted and Condition 7.3 be modified or deleted on the basis the fencing has been installed and there are other mechanisms which motivate the ongoing maintenance of the fencing.

#### 3.5 Condition 8 - Fauna Relocation & Habitat

All conditions 8.1 to 8.3 have now been accorded status *Cleared* or *Completed*.

**Application:** The proponent requests that Condition 8 of Statement 706 be deleted.

#### 3.6 Condition 9 - Trapdoor Spiders

All conditions 9.1 to 9.3 have now been accorded status *Cleared* or *Completed*.

**Application:** The proponent requests that Condition 9 of Statement 706 be deleted.

#### 3.7 Condition 10 - Closure and Rehabilitation

The Extractive Industry Licence issued for the operation of the Voyager II Quarry is subject to *Shire of Northam Extractive Industries Local Law 2008*. In essence, the requirement is for notice to be provided of closure. The notice of closure requires evidence that the quarry is rehabilitated in accordance with the rehabilitation plan that was submitted in application for the *Extractive Industry Licence*.

Furthermore, the Local Law includes an extensive list of conditions to be met for rehabilitation during mine closure. An environmental bond of \$240,000 is held against the proponent by the Shire on Northam for rehabilitation of the disturbed area of the Voyager II Quarry. Department of Mines and Petroleum (DMP) policy requires that closure applications will only be accepted for approval subject to full compliance with local government rehabilitation requirements. Consequently, Condition 10 does not serve an environmental purpose that is not monitored by other jurisdictions.

**Application:** The proponent requests that the EPA delete Condition 10 on the basis it is already regulated by other jurisdictions.

#### 3.8 Statement 934 Condition 12 - Dust Monitoring & Remedial Action Plan

Condition 12 of Statement 706 was superseded by Statement 934 in April 2013. The proponent prepared the Dust Monitoring and Remedial Action Program in accordance with Condition 12.1 and has implemented it in accordance with Conditions 12.2 to 12.4. The objective of the Program will prevail throughout the project life, however dust may be more appropriately regulated under Part V of the EP Act.

**Application:** The proponent requests that the EPA delete Condition 12 on the basis it is more appropriately regulated under Part V of EP Act.



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#### 3.9 Condition 13 - Ground and Surface Water.

The objective of Condition 13 is to protect the quality and quantity of groundwater (this was raised by the local residents as part of the Public Environmental Review that the quarry would effect their groundwater) and surface water adjacent to the quarry.

When water monitoring commenced in 2007, a total of 50 bores/dams and soaks were monitored including 4 bores owned by the proponent, 11 bores that the proponent monitored at the previously leased Voyager I quarry and the remaining 35 located on private land.

The Voyager II quarry has been contoured so it does not discharge surface water. All in-falling rain, stormwater runoff and seepage is channelled to a dam onsite and retained for operational needs.. Offsite surface water at Lot 7 (the location of Voyager 1 quarry) is now unable to be monitored as the proponent has been denied access by the landowner since the lease expired. Of the original 35 monitoring locations on adjacent private land, only 6 are now accessible due to denial of access by landowners. The most recent survey that was conducted (June 2016) monitored a total of 14 bores/dams and soaks, 8 of which are the proponent's and 4 of these drilled in the late part of 2012 when the proponent were refused access to the monitoring bores located at the previously leased quarry.

The conclusion of the consultant that conducted the survey, *Stass Environmental*, included the following:

1. Ground water close to the quarry site has been observed to be in good conditions, with bores more distant from the quarry in poorer condition.
2. The maximum distance that groundwater may be affected by the Voyager II Quarry operations is up to 1000 m from the quarry, therefore any ground water monitoring should be carried out to a maximum distance of 1500 m. Monitoring at greater distances does not provide any reliably useful data.
3. The Voyager II quarry does not currently have any impact on the ground water quality in the vicinity of the site.
4. Water quality and water level in the aquifer close to the site appear to show a stable trend.

The proponent submits that sufficient evidence has been presented since 2007 to verify that there have been no adverse impacts on local groundwater quality or quantity. It is not clear what the groundwater monitoring program is achieving.

**Application:** The proponent requests that the EPA delete Condition 13 of Statement 706 or modify it to reflect circumstances within the proponents control.

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#### 3.10 Condition 14 - Management of Topsoil

Condition 14 requires that neither topsoil nor overburden be stored onsite except in exceptional circumstances. This condition was applied as an alternative to dust control conditions available under Part V of the EP Act and is in contradiction of the reasonable operating requirements for mine management. Given the very limited area for quarrying allocated under Statement 706, topsoil and overburden has to go somewhere. Stockpiles are an important aspect of successful rehabilitation, including for the proposed bund enhancement requested in Section 2 of this document.

**Application:** The proponent requests that the EPA delete Condition 14 on the basis that stockpiles are an important aspect of successful rehabilitation and that dust management is more appropriately regulated under Part V of the EP Act.

#### 3.11 Condition 15 - Noise from Vegetation Clearing and Site Preparation

All vegetation clearing related to the original implementation conditions has now been completed. Noise modelling and monitoring conducted to date and submitted in accordance with Condition 15 has shown that all overburden-removing activities have been in compliance with the requirements of Condition 15 and also with the *Environmental Protection (Noise) Regulations 1997*. Ongoing noise regulation may be more appropriately regulated under the *Environmental Protection (Noise) Regulations 1997*.

**Application:** The proponent requests that the EPA delete Condition 15 of Statement 706 on the basis that noise is more appropriately regulated under Part V of the EP Act.

#### 3.12 Condition 16 - Operational Noise

The proponent prepared the Operational Noise Measurement Program in accordance with Condition 16.1 and has implemented it in accordance with Conditions 16.2 to 16.7 It has been successful in reducing noise to a level below requirements prescribed by the *Environmental Protection (Noise) Regulations 1997*. Herring Storer Acoustics (July 2012) determined that noise emissions from the quarry recorded at the nearest sensitive receptor was close to background noise and was 3db(A) below the Assigned LA10 Noise Level for 0700 to 1900 Monday to Saturday. In other words - noise emissions were found to be 50% below the Assigned Noise Levels. It remains the objective of the proponent that noise emissions are mitigated as far as reasonably practical, such that nearby residents should, in usual circumstances, be unaware of Voyager II operations. The request in Section 2 of this document attests. Condition 16 does not appear to serve a purpose that could not otherwise be met through the *Environmental Protection (Noise) Regulations 1997*.

**Application:** The proponent requests that the EPA delete Condition 16 of Statement 706 on the basis that noise is more appropriately regulated under Part V of the EP Act.

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#### 3.13 Condition 18 - Blast and Vibration Management Plan

The proponent prepared the Blast and Vibration Management Plan in accordance with Condition 18.1 and has implemented it in accordance with Conditions 18.2 to 18.4. The scope of Condition 18 is duplicative of regulations monitored by the Department of Mines and Petroleum (DMP) and by the DER under Part V of the EP Act. The *Environmental Protection (Noise) Regulations 1997* sets statutory monitoring requirements and overpressure limits for individual airblast events. Ground vibration levels are monitored by the DMP under the *Dangerous Goods Safety (Explosive) Regulations 2007*. Regulation 132(1) "General Requirements" are prescribed as per AS 21872 Section 12.2 that covers both ground vibration and air overpressure.

**Application:** The proponent requests that the EPA delete Condition 18 of Statement 706 on the basis that noise is more appropriately regulated under Part V of the EP Act and vibration is more appropriately regulated under the *Dangerous Goods Safety (Explosive) Regulations 2007* and the *Environmental Protection (Noise) Regulations 1997*.

#### 3.14 Condition 19 - Community Liaison Group.

The proponent established the Community Liaison Group (CLG) in accordance with Condition 19.1 and has implemented it in accordance with Conditions 19.2 to 19.5. This condition was originally a forum for nearby residents that also included Local Government representatives and other relevant government agencies such as DER and EPA. However, since 28 February 2011, only the Shire of Northam has attended scheduled meetings. Prior to that date, the Shire of Mundaring representative attended till the 17<sup>th</sup> February 2014 and the Lakes Action Group (LAG local residents) attended until 28<sup>th</sup> February 2011 when they wrote to the then Minister for the Environment that they would suspend their membership of the CLG (see attachment 11). No other government representatives including the EPA or DER have attended. Despite the non-attendance by local residents, the operators of Voyager Quarry have continued to distribute information on its activities to stakeholders via email.

It appears that the Community Liaison Group is now ineffective and serves little purpose. Additionally, community liaison processes do not appear to form part of contemporary EPA condition setting. The operators of Voyager II Quarry are willing to continue to distribute information on its activities via email on a voluntary basis and maintain discussions with stakeholders as and when required. However the current CLG stipulation is ineffective.

**Application:** The proponent requests that the EPA delete Condition 19 of Statement 706 as it is ineffective and not current practice.

## 4 Limitations

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This report has been prepared in accordance with the usual care and thoroughness of the consulting profession for use by BGC Quarries. The report is based on generally accepted practices and standards at the time that it was prepared. No other warranty, expressed or implied, is made as to the professional advice included in this report. Advice has been sought from officers of relevant government agencies responsible for the matters pertinent to the content of this report – however, there is no guarantee that this advice is correct in both government policy and law.

In regard to the methodology adopted and sources of information outlined in this report, no independent verification of this information beyond the agreed scope of works has been undertaken and the author assumes no responsibility for any inaccuracies or omissions. No indications were found during the investigations that information contained in this report was false.

This report was prepared in July and August 2016 and is based on the conditions encountered and information reviewed at the time of preparation. The author disclaims responsibility for any changes that may have occurred after this time.

This report should be read in full. No responsibility is accepted for use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

## Attachment 1 - KPC Table - Attach 2 to St.706

Attachment 2 to Ministerial Statement 706		
Change to proposal approved under section 45C of the <i>Environmental Protection Act 1986</i>		
This Attachment replaces Schedule 1 of Ministerial Statement 706		
<b>Proposal:</b> Voyager Quarry, Lots 11 and 14 Horton Road, The Lakes, Avon Location 1881, Shire of Northam		
<b>Proponent:</b> BGC (Australia) Pty Ltd		
<b>Changes:</b>		
<ul style="list-style-type: none"> <li>• Increase in the disturbance footprint by 6.5 hectares.</li> <li>• Removal of 'Quarry Operating Hours'.</li> <li>• Removal of elements that are not key proposal characteristics, or managed under other legislation.</li> </ul>		
<b>Table 1: Summary of the Proposal</b>		
Proposal Title	Voyager Quarry, Lots 11 and 14 Horton Road, The Lakes, Avon Location 1881, Shire of Northam	
Short Description	The development and operation of a quarry incorporating excavation of approximately 60 million tonnes of hard rock, approximately 2 million tonnes of gravel and approximately 12 million tonnes of clay from the quarry footprint.	
<b>Table 2: Key Proposal Characteristics</b>		
Element	Previously Authorised Extent	Authorised Extent
Type of Project	Hard rock quarry	<b>Deleted as incorporated into 'Summary of the Proposal'</b>
Project Life	Approximately 50 years	<b>Removed as not a key proposal characteristic</b>
Rate of Extraction	6,000 to 10,000 t per day	<b>Removed as regulated under Part V of the <i>Environmental Protection Act 1986</i></b>
Extraction Method	Conventional drilling, blasting, loading and hauling techniques	Conventional drilling, blasting, loading and hauling techniques
Location of Crushing and Screening Operations	Within the quarry pit, approximately 30 m below the ground surface.	Within the quarry pit, approximately 30 m below the ground surface.
Crushing and Screening Equipment	New equipment to be utilised onsite, incorporating improved pollution controls. Primary crusher will be housed within a noise reduction structure.	New equipment to be utilised onsite, incorporating improved pollution controls. Primary crusher will be housed within a noise reduction structure.
Final Quarry Dimensions	Length approximately 900 m Width approximately 450 m Depth approximately 50 m	Length approximately 900 m Width approximately 450 m Depth approximately 50 m

### Attachment 1 - KPC Table - Attach 2 to St.706

Element	Previously Authorised Extent	Authorised Extent
Footprint of Quarry Pit	Approximately 59 ha	<b>Not more than 59 ha</b>
Footprint of all Disturbances	Approximately 85 ha	<b>Not more than 91.5 ha</b>
Quarry Operating Hours	0700 hours to 1900 hours during land clearing and excavation activities on any day which is not a Saturday, Sunday or Public Holiday. <b>Normal Operating Times</b> 0700 hours to 1900 hours Monday to Friday 0700 to 1330 hours Saturday Note: No quarrying activities will be carried out on Sundays, public holidays or outside the permitted hours of operation as outlined above.	<b>Removed as regulated under Part V of the <i>Environmental Protection Act 1986</i> and the <i>Environmental Protection (Noise) Regulations 1997</i>.</b>
Major Components	Quarry Product Stockpiles Water Storage Dam Infrastructure (including processing plant, administration buildings, workshop and roads).	Quarry Product Stockpiles Water Storage Dam Infrastructure (including processing plant, administration buildings, workshop and roads).
Water Storage Dam Capacity	150,000 kL	150,000 kL
Water Supply Source	Surface runoff and groundwater seepage	Surface runoff and groundwater seepage
Average Daily Water Requirements	Summer – approximately 380 kL Winter – approximately 780 kL	<b>Deleted as dust impacts are regulated under Part V of the <i>Environmental Protection Act 1986</i></b>
Maximum Annual Water Requirements	Approximately 95,000 kL	<b>Deleted as dust impacts are regulated under Part V of the <i>Environmental Protection Act 1986</i></b>
Anticipated Quarry Yield	Gravel 1 to 2 million t Clay 12 million t approximately Hard rock 60 million t approximately	<b>Deleted as not a key proposal characteristic. Incorporated into 'Summary of the Proposal'.</b>
<b>Protection and management of areas of remnant vegetation</b>	<ul style="list-style-type: none"> <li>The covenanting of approximately 120 ha of native vegetation in good condition, held as freehold by the proponent, including the rehabilitation of the areas of native vegetation on the freehold land outside the proposed operational footprint, previously cleared by the proponent.</li> <li>Provision of not less than 15 km of fencing to protect remnant vegetation on land managed by the Department of Justice.</li> <li>Rehabilitation of approximately 60 ha of gravel pits and other degraded lands.</li> </ul>	<ul style="list-style-type: none"> <li><b>The protection and management of approximately 120 ha of native vegetation in good condition, held as freehold by the proponent, including the rehabilitation of the areas of native vegetation on the freehold land outside the proposed operational footprint, previously cleared by the proponent.</b></li> <li><b>Provision of not less than 15 km of fencing to protect remnant vegetation on land managed by the Department of Justice.</b></li> <li><b>Rehabilitation of approximately 60 ha of gravel pits and other degraded lands.</b></li> </ul>

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

## Attachment 2 - Correspondence



Mr James McMahon  
Commissioner  
Department of Corrective Services  
Locked Bag 22  
CLOISTERS SQUARE WA 6850

### Request for clarification on historic environmental offset undertaking

Dear Mr McMahon

BGC (Australia) Pty Ltd t/a BGC Quarries ("BGC") operates the 'Voyagr II' granite quarry on Lot 14 Horton Road Wootatting, close to Acacia Prison and Wooraloo Prison Farm.

Part of the 2005 State Government approval to build and operate the quarry was for BGC to offset its environmental impact through the provision of up to 15 kilometres of fencing materials to the then Department of Justice, to protect remnant vegetation and the Wooraloo Brook on land managed as prison farms (Ministerial Statement 706). This has not eventuated to date. Subsequent to the original approval, the State Government introduced formal environmental offset policy and processes. Many other environmental conditions of the original approval, including noise, dust and fauna management have also been superseded by new Government policy and removed from current licence documentation.

BGC now has the option of applying current environmental offset policy to address the environmental impact of existing and future quarrying operations. However in good faith, BGC is seeking clarification if its original undertaking remains of relevance to the Department of Corrective Services or not. Several attempts to contact an appropriate Departmental representative to discuss the matter have gone unheeded. Understandably, we recognise this may be a low priority for the Department given the 10 years that have passed.

BGC seeks to resolve the environmental offset conditions on its licence. Accordingly, BGC requests that Department of Corrective Services provide to BGC by no later than 31<sup>st</sup> March 2016, confirmation of whether the provision of fencing materials for the specified purpose remains of interest to the Department or not. BGC requires this information in order to demonstrate to the Environmental Protection Authority that it has made reasonable attempts to discuss the matter. If BGC has not received a response by 31<sup>st</sup> March 2016, it has no alternative but to assume the original undertaking is no longer relevant.

Please do not hesitate to contact me to discuss this matter in further detail.

Regards

Craig Hollingsworth  
General Manager

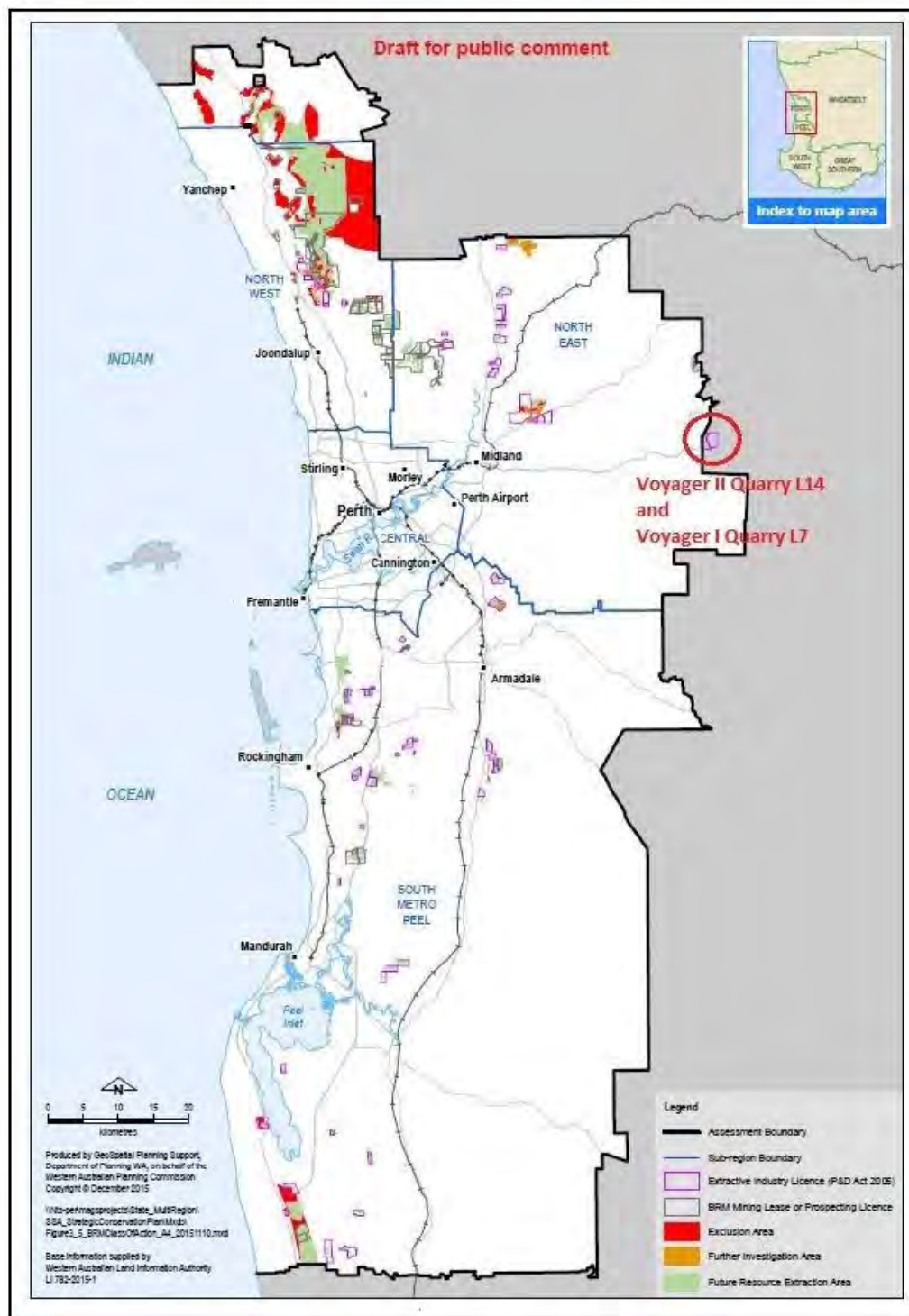
2<sup>nd</sup> March 2016

BGC Australia Pty Ltd ABN 62 716 015 005  
Lot 4 Slinging Cessons, Macintyre WA 6855, Australia  
Postal Address PO Box 1257, Midland WA 6850 Australia

Telephone +61 8 9442 2388  
Facsimile +61 8 9442 2888  
Email [asphalt@bgc.com.au](mailto:asphalt@bgc.com.au)  
[quarry@bgc.com.au](mailto:quarry@bgc.com.au)  
Website [www.bgc.com.au](http://www.bgc.com.au)

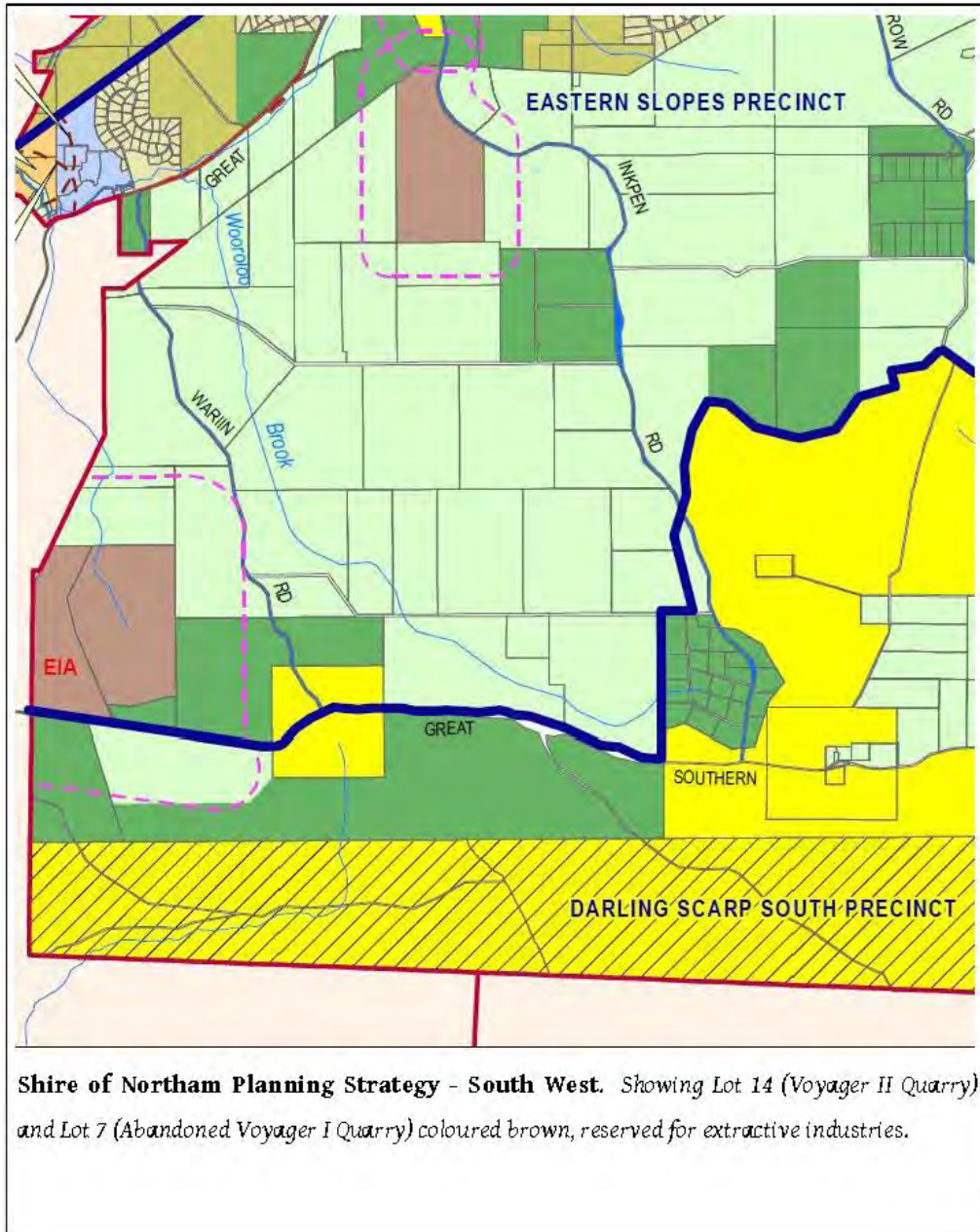
Payments of account to:  
Westpac Banking Corp  
BSB Number 056000  
Account Numbers Asphalt 465900  
Quarries 455811

### Attachment 3 Green Grown Plan Figure 3.5





## Attachment 4 - Shire of Northam Planning Strategy Map

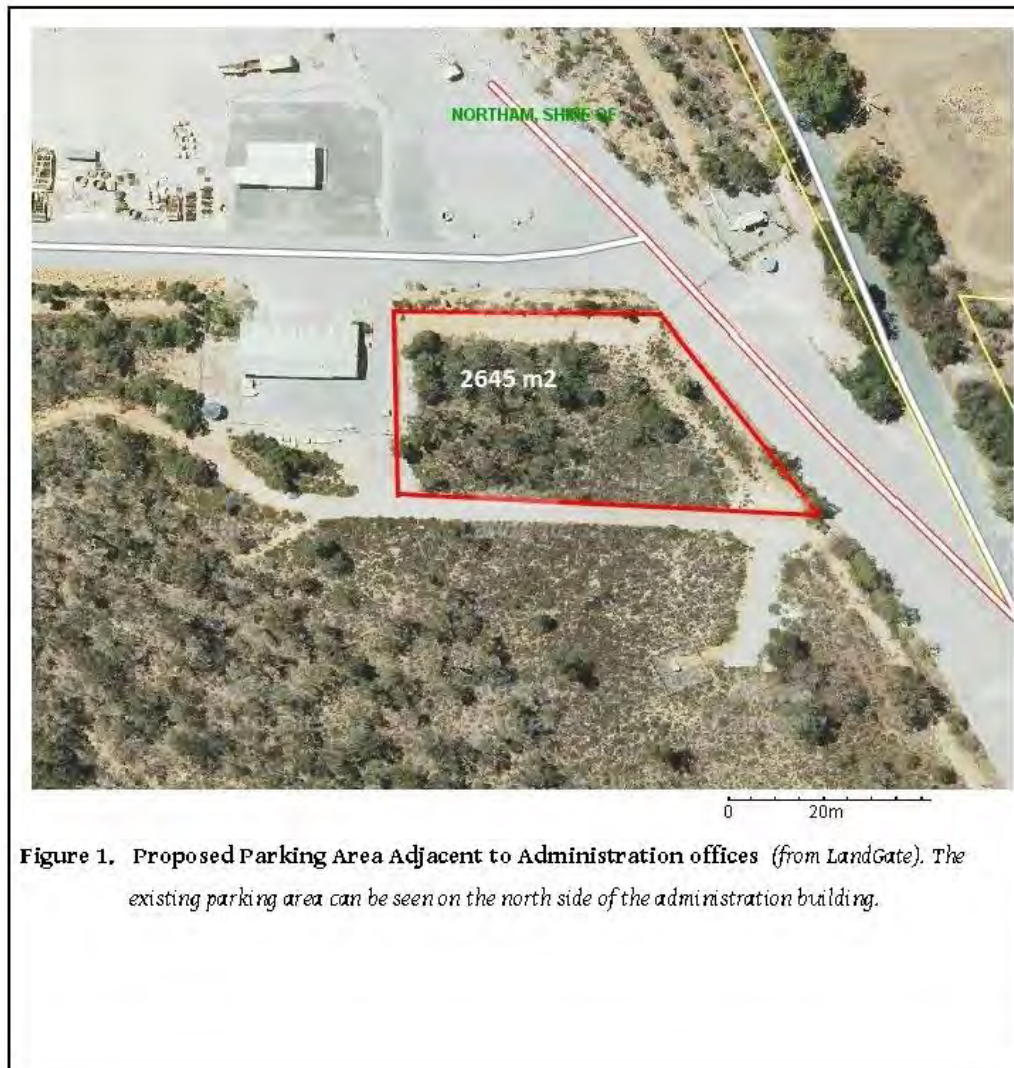


## Attachment 5 - Recent Satellite Photograph - Lots 11 & 14



**A Recent Satellite Photograph of Lots 11 and 14.** *Internal firebreaks in the southern areas of Lots 11 and 14 were cleared by the Fire & Emergency Services during the progress of fires in Jan '15 and Feb '1 that left the burned areas shown above - these firebreaks will be allowed to naturally recover. Other firebreaks on the boundaries of Lots 11 and 14 and elsewhere on Lots 11 and 14 were installed by the quarry operator and are retained for fire risk management.*

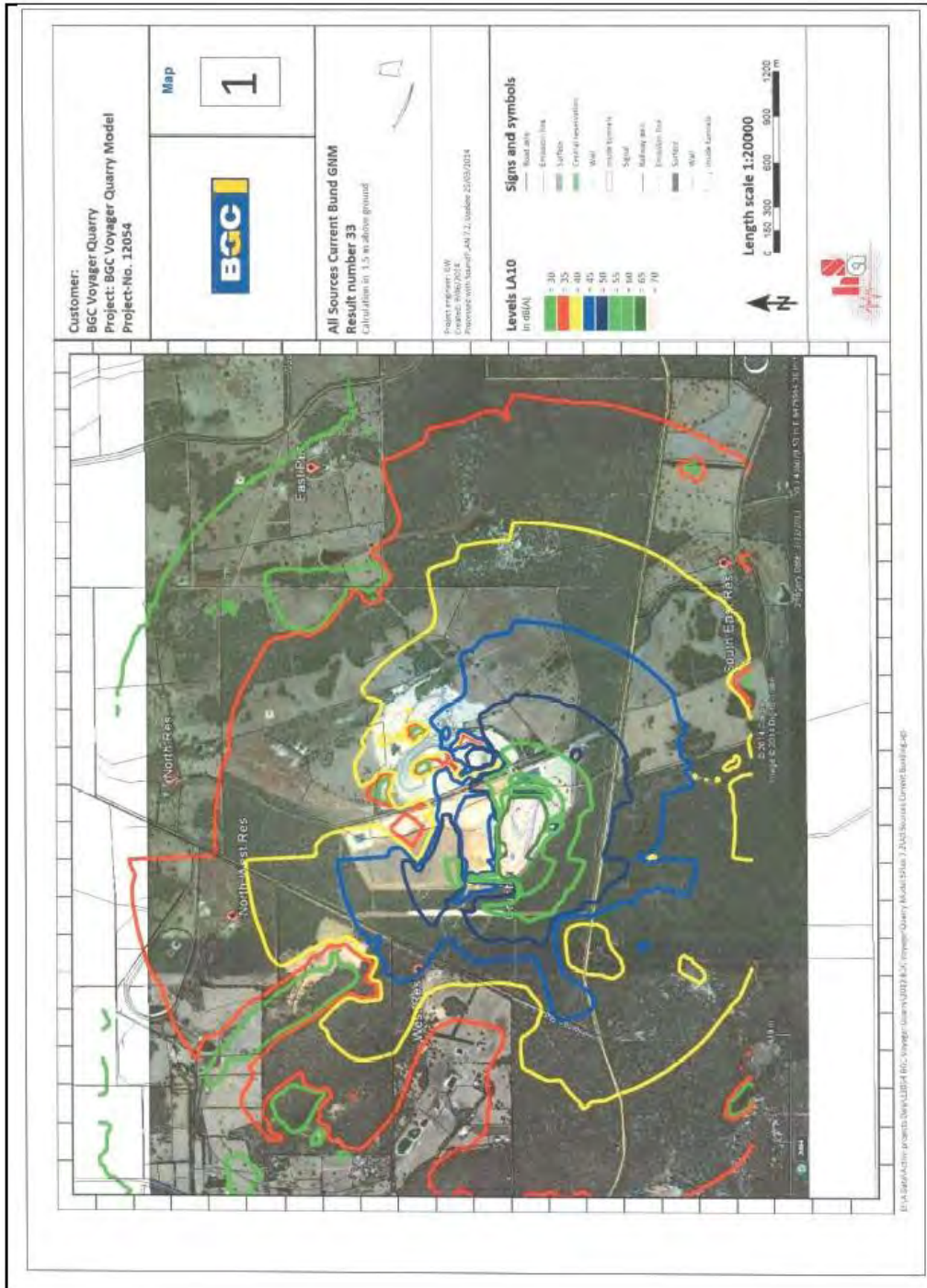
## Attachment 6 - Proposed Expansion Areas



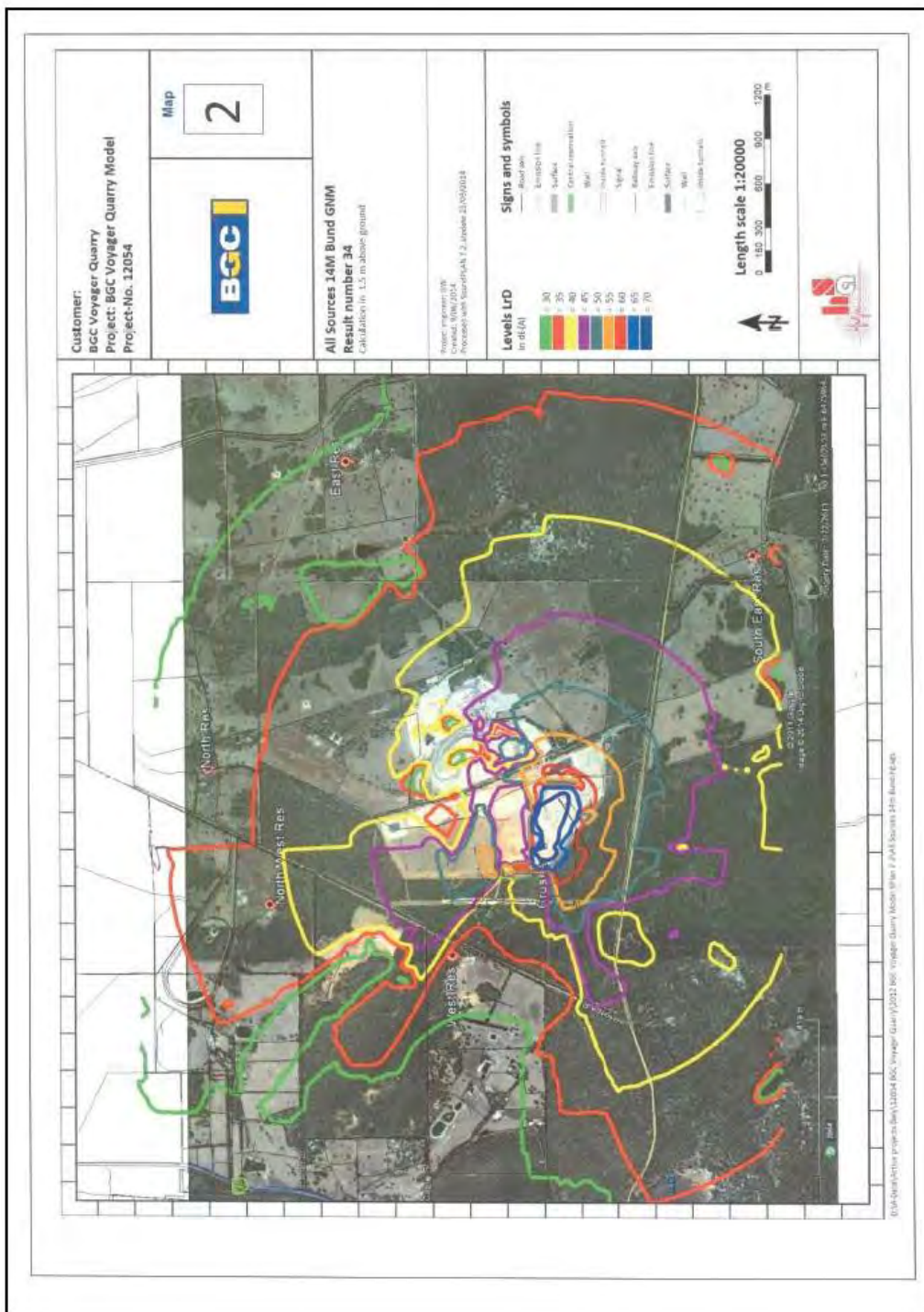
## Attachment 6 - Proposed Expansion Areas



### Attachment 7 - Herring Storer Noise Modelling



### Attachment 7 - Herring Storer Noise Modelling



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## **Attachment 8 – Matiske Report 2015**

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**Mattiske** Consulting Pty Ltd

Mr Peter Yates  
BGC Asphalt & Quarries  
PO Box 1257  
Midland WA 6936

Dear Mr Yates

**Review of the Flora, Vegetation and Fauna Values on the proposed Extension to the BGC Voyager Quarry**

Please find an overview summary of findings from the recent updated assessment of the key significant flora, vegetation and fauna values on the proposed expansion area on the BGC Voyager quarry.

This brief report should be read in conjunction with the earlier studies by Mattiske Consulting (2002), Ninnox Wildlife Consulting (2002) and Slack-Smith (2002) and the summaries in the BGC Voyager Quarry PER in 2002.

If there are any queries please contact me at your earliest convenience on 9257 1625.

Regards



Dr Libby Mattiske  
December 21st, 2015

Managing Director  
Mattiske Consulting Pty Ltd  
08 9257 1625





**Mattske** Consulting Pty Ltd

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### Review of the Flora, Vegetation and Fauna Values on the proposed Extension to the BGC Voyager Quarry

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Mattske Consulting Pty Ltd was commissioned by BGC Asphalt and Quarry to complete an updated assessment of previously identified key flora, vegetation and fauna values on the BGC Voyager quarry.

Three experienced botanists from the Mattske Consulting team (Dr Mattske, Mr Angus and Mr Blackburn) traversed the proposed disturbance area (see delineated area in red dashes on Figure 1 attached) to check for the key flora and fauna values as previously identified by Mattske Consulting (2002), Ninox Wildlife Consulting (2002) and Slack-Smith (2002).

#### Flora – *Hemigenia viscida*

The key value highlighted in 2002 by Mattske Consulting was related to the flora species – *Hemigenia viscida* which was at the time listed as a Priority 4 species under State listings (Wildlife Conservation Act 1950) and as Vulnerable under the Federal listings (Environment Protection Biodiversity and Conservation Act 1999). Since this time the conservation status of this species has been updated and this taxon is no longer listed under the Wildlife Conservation Act (1950) or the Environment Protection Biodiversity and Conservation Act 1999 as a Priority species or a threatened species respectively (November 2015). Consequently, no Threatened or Priority flora species were recorded within the proposed expansion area to the Voyager Quarry (Department of Parks and Wildlife 2015a and 2015b; Department of the Environment 2015a).

Despite these changes in listings, in the recent field assessment every effort was made to re-assess the populations in the proposed expansion area (where none were located) and in the main heath area (formerly labelled H5 – Figure 2) to the west of the proposed expansion area (where by foot traverses a total of 1078 plants were recorded, including varying ages of plants). The H5 heath area previously supported 1612 plants in 2002 (Mattske Consulting 2002 – Figure 4.11) and as such was one of four areas that supported the *Hemigenia viscida* species. Of these four heath areas (H1 – 20 plants; H5 – 1612 plants; H9 – 9 plants and H10 – 65 plants) the avoidance of the majority of H1 and H5 during the previous expansions has led to only minor changes on the site from previous clearing activities.

Although this plant species is no longer listed it is recommended that the heath communities in the western section of the project area that supported this species are protected wherever possible in any expansion as these communities support a range of species that do not occur in the forested areas within the Voyager project area. Further these heath communities provide foraging opportunities for a range of other bird and fauna species and also a diversity of structural features (heath) that are not extensive in the wider forest areas. In Western Australia, *Hemigenia viscida* has been recorded previously on the eastern edge of the jarrah forest and in pockets within the wheatbelt (Appendix C). As mentioned in the 2002 report by Mattske Consulting a further 110 plants were recorded within a heath community on Mundaring Shire land to the west of Horton Road, and south of a Mundaring Shire gravel quarry pit.

In summary, the proposed expansion area should have minimal impact on the flora species as no listed flora species occurred within the proposed expansion area and the communities supporting the species all extend past the boundaries of the expansion area and several of the larger heath areas which are of particular interest occur in the areas that are to be protected outside the expansion area.



Photograph 1: *Hemigenia viscida* plant in Heath 5, 2015

#### Vegetation

The survey area occurs on the eastern fringes of the Darling Range and includes three main vegetation complexes as defined by Heddlé *et al.* (1980a), and as recently updated by Mattiske and Havel (1998):

#### Yalanbee 5

"Mixture of open forest of *Eucalyptus marginata* subsp. *thalassica* – *Corymbia calophylla* and woodland of *Eucalyptus wandoo* on lateritic uplands in semiarid to perarid zones."

#### Pindalup

"Open forest of *Eucalyptus marginata* subsp. *thalassica* – *Corymbia calophylla* on slopes and open woodland of *Eucalyptus wandoo* with some *Eucalyptus patens* on the lower slopes in semiarid and arid zones."

#### Cooke

"Mosaic of open forest of *Eucalyptus marginata* subsp. *marginata* – *Corymbia calophylla* (subhumid zone) and open forest of *Eucalyptus marginata* subsp. *thalassica* – *Corymbia calophylla* (semi-arid and arid zones) on deeper soils adjacent to outcrops, closed heath of Myrtaceae – Proteaceae species and lithic complex on granite rocks and associated soils in all climate zones, with some *Eucalyptus laeliae* (semi-arid), and *Allocasuarina huegeliana* and *Eucalyptus wandoo* (semi-arid to per-arid zones)."

All of these vegetation complexes are well represented in the conservation estate (see Heddle et al. (1980) and data supplied by the former Department of Conservation and Land Management in 2003 as part of the pre development of the Forest Management Plan by the Conservation Commission in 2004). The Yalanbee S, Pindalup and Cooke vegetation complexes are well represented in formal reserves (22.5%, 26.3% and 28.7% respectively) and in formal and informal reserves (29.6%, 35.1% and 34.8% respectively).

The site-vegetation types defined by Havel (1975a, 1975b) for the northern Jarrah forest, covered the variation of plant communities on this section of the Darling Range. Although the plant communities in this area form a continuum, it is possible to classify the site-vegetation types by incorporating site descriptions (e.g. soils, topography, slope, aspect, and soil-moisture regimes), floristic information and structural information.

In the last twenty years, subsequent studies by Mattiske and Havel in the northern Jarrah forest have recognised a series of new vegetation types not covered previously by Havel (1975a, 1975b). These include variations on the previously defined site vegetation types (e.g. PG, HS) as well as site-vegetation types, which were not covered by Havel.

Vegetation types are considered significant when they are restricted in distribution, and/or support populations of significant flora. The site-vegetation type G (open to closed heath of Proteaceae) continues to be locally significant as it is associated with localised outcropping supporting a range of species and taxa and as such it provides structural diversity (Mattiske Consulting 2002, Figure 3 attached). The latter structural diversity also provides habitats and foraging opportunities for the bird and other fauna species. Although local variations are noted in composition, this site-vegetation type is well represented in the conservation estate (Heddle *et al.*, 1980).

No threatened or priority ecological communities listed at the State or Federal levels pursuant to the *Wildlife Conservation Act 1950* or the *Environment Protection Biodiversity and Conservation Act 1999* were recorded in the BGC Voyager project area (Department of Parks and Wildlife 2015d; Department of the Environment 2015b).

In summary, the proposed expansion area should have minimal impact on the vegetation types as they all extend past the boundaries of the expansion area and several of the larger heath areas which are of particular interest occur in the areas that are to be protected outside the expansion area.

#### **Vertebrate Fauna**

Ninox Wildlife Consulting (2002) summarized the key vertebrate fauna values that may potentially occur in the BGC Voyager project area. The following was extracted from the PER for the Voyager Quarry expansion area. Whilst respective assessments were made on the key vertebrate fauna species, several remain as potential values in the current proposed extension area. These include the three listed Black Cockatoos (*Calyptorhynchus latirostris*, which is listed as Endangered under the *Environment Protection Biodiversity and Conservation Act 1999* and as Threatened under the State *Wildlife Conservation Act 1950*), as well as Baudin's Black Cockatoo and the Forest Red-tailed Black Cockatoo (*Calyptorhynchus baudinii* and *Calyptorhynchus banksii naso* which are listed as Vulnerable under the *Environment Protection Biodiversity and Conservation Act 1999* and as Threatened under the State *Wildlife Conservation Act*). The Black Cockatoo species are likely to occur only periodically within the proposed area when particular food resources are available or when climatic conditions are favourable. The relative lack of large trees with suitable nesting hollows would also limit the number of pairs of birds that could breed in the proposed expansion area.

One mammal species, the Chuditch (*Dasyurus geoffroii*), is listed as Vulnerable under the *Environment Protection Biodiversity and Conservation Act 1999* and Threatened under the State *Wildlife Conservation Act*. If present, the Chuditch is likely to occur within the general area, using both native vegetation and adjacent cleared land to obtain food resources. As Chuditch are relatively mobile they would be able to move away from impacted area and attempt to locate food elsewhere. Depending on the numbers of Chuditch in suitable habitat within the surrounding area, some territorial competition may occur. However, populations would be expected to stabilise once conflicts are resolved.

Three species of bird (White-bellied Sea Eagle (*Haliaeetus leucogaster*), Fork-tailed Swift (*Apus pacificus*) and Rainbow Bee-eater (*Merops ornatus*)) which may occur in the Project Area are also listed under the EPBC Act 1999 as they are protected under international agreements for migratory birds (JAMBA - Japan – Australian Migratory Birds Agreement; CAMBA - China – Australian Migratory Birds Agreement). As all three species are unlikely to occur in the area or breed in the area, the impact of the proposed activities on these species is expected to be negligible.

Species gazetted under Schedule 4 (‘In Need of Special Protection’) of the *Wildlife Conservation Act* which could potentially occur within the Project Area included the Peregrine Falcon (*Falco peregrinus*) and the Carpet Python (*Morelia spilota imbricata*). Whilst the species may occur in the area the proposed clearing expansion is considered to be negligible.

Several other species are listed as Priority 3 or Priority 4 species on DPAW’s Priority Fauna database, however most are unlikely to occur in the area due to suitable hollows and habitat trees. Several may seasonally use the flora and vegetation for foraging.

In summary, the proposed expansion area should have minimal impact on the vertebrate fauna species due to the general absence of suitable hollows in the coppicing trees. The areas to the west, north and south of the proposed expansion will enable fauna movement and foraging and as such in part offset the proposed clearing activities.

#### **Invertebrate Fauna**

The invertebrate fauna species were investigated prior to the completion of the BGC Voyager PER (2002) and as such several invertebrates were highlighted during these earlier assessments. Of the trapdoor spiders recorded previously the *Gaius* species was of interest as it was initially thought to be geographically restricted. The earlier studies highlighted this species, however additional studies at the time identified other locations that supported this spider and consequently the significance of this spider on the Voyager site was reduced. During the recent field studies by the Mattiske team, targeted searches included checking areas for the latter trapdoor spider. It should be noted that only a few scattered trapdoors were located (see photograph below and Figure 2 attached). None of these appeared to be actively in use at the time of the assessment.

As only a few trapdoors were located within the proposed expansion area and as this species is known to occur outside the Voyager area in other forest areas the proposed expansion of the Voyager quarry is unlikely to have any significant impact on this species.

Several land snails were previously recorded on the BGC Voyager quarry site, however the previous survey results from 2002 indicated that the diversity was low and that there is an impoverished molluscan fauna population in this part of the Darling Range. Consequently the proposed expansion of the Voyager quarry is unlikely to have any significant impact on these species.



**Photograph 2: Trapdoor Spider Lid with proposed expansion area**

#### **In Summary**

Although the proposed expansion of the BGC quarry to the west of the current area (with the associated bund) may impact on some flora, vegetation and fauna values, on the basis of the recent updated assessment on site the impacts could be considered to be negligible to minimal.

As part of a potential offset several options are proposed:

1. Maintenance of the largely undisturbed bushland on the BGC Voyager quarry (outside current quarried areas, the bund areas and the proposed expansion areas as designated by the red dashed line on Figure 1 (as attached)) around the proposed expansion area to the south, west and north which are intended to be protected from further development (a total of 131.58ha).
2. The option of negotiating a similar arrangement with the State Government as delineated in a previous Ministerial commitment 10 July 2015 (EPA 2015 - EPA Attachment 2 to Statement 9250 for Nammuldi-Silvergrass Expansion Project under section 46C of the EPA Act 1986) – that the proponent shall contribute funds on a biennial basis for clearing of “good to excellent” vegetation of \$750.00 AUD per hectare. The classification of bushland vegetation condition (Table 1) is based on the classification scheme developed by Keighery (1994). In view of the lack of Threatened or Priority communities in the area (as in the Nammuldi consideration) the value for consistency should be less than \$1500.00 AUD per hectare.
3. Continue monitoring of the biological values on the areas outside the proposed expansion area.

**Table 1: Vegetation Condition Scale**

Condition Rating	
Pristine	Pristine or nearly so, no obvious sign of disturbance.
Excellent	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species.
Very Good	Vegetation structure altered obvious signs of disturbance. For example, disturbance to vegetation structure caused by repeated fires, the presence of some more aggressive weeds, dieback, logging and grazing.
Good	Vegetation structure significantly altered by obvious signs of multiple disturbances. Retains basic vegetation structure or ability to regenerate it. For example, disturbance to vegetation structure caused by very frequent fires, the presence of some very aggressive weeds at high density, partial clearing, dieback, grazing.
Degraded	Basic vegetation structure severely impacted by disturbance. Scope for regeneration but not to a state approaching good condition without intensive management. For example, disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds, partial clearing, dieback and grazing.
Completely Degraded	The structure of the vegetation is no longer intact and the area is completely or almost completely without native species. These areas are often described as 'parkland cleared' with the flora comprising weed or crop species with isolated native trees or shrubs.

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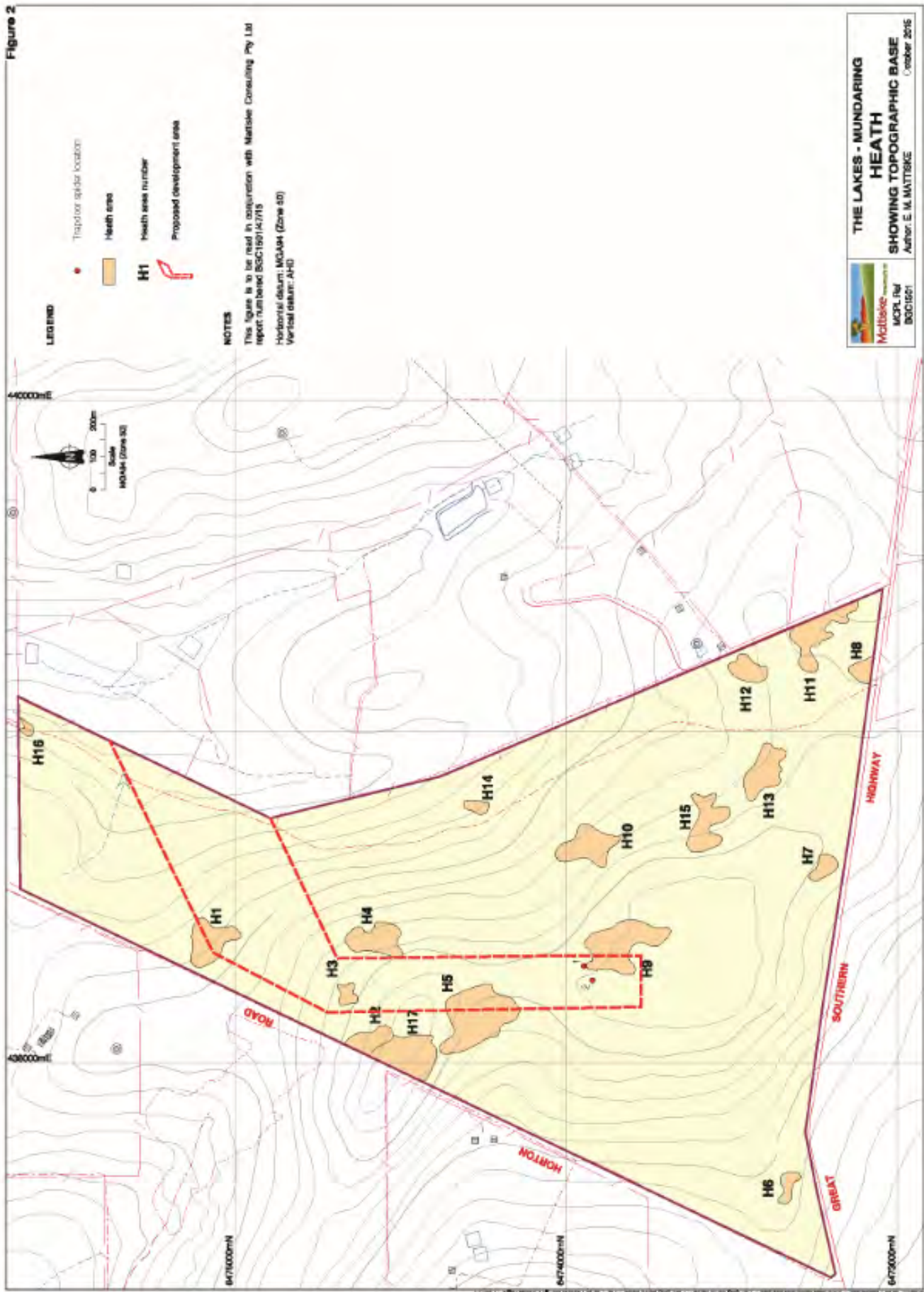
## References

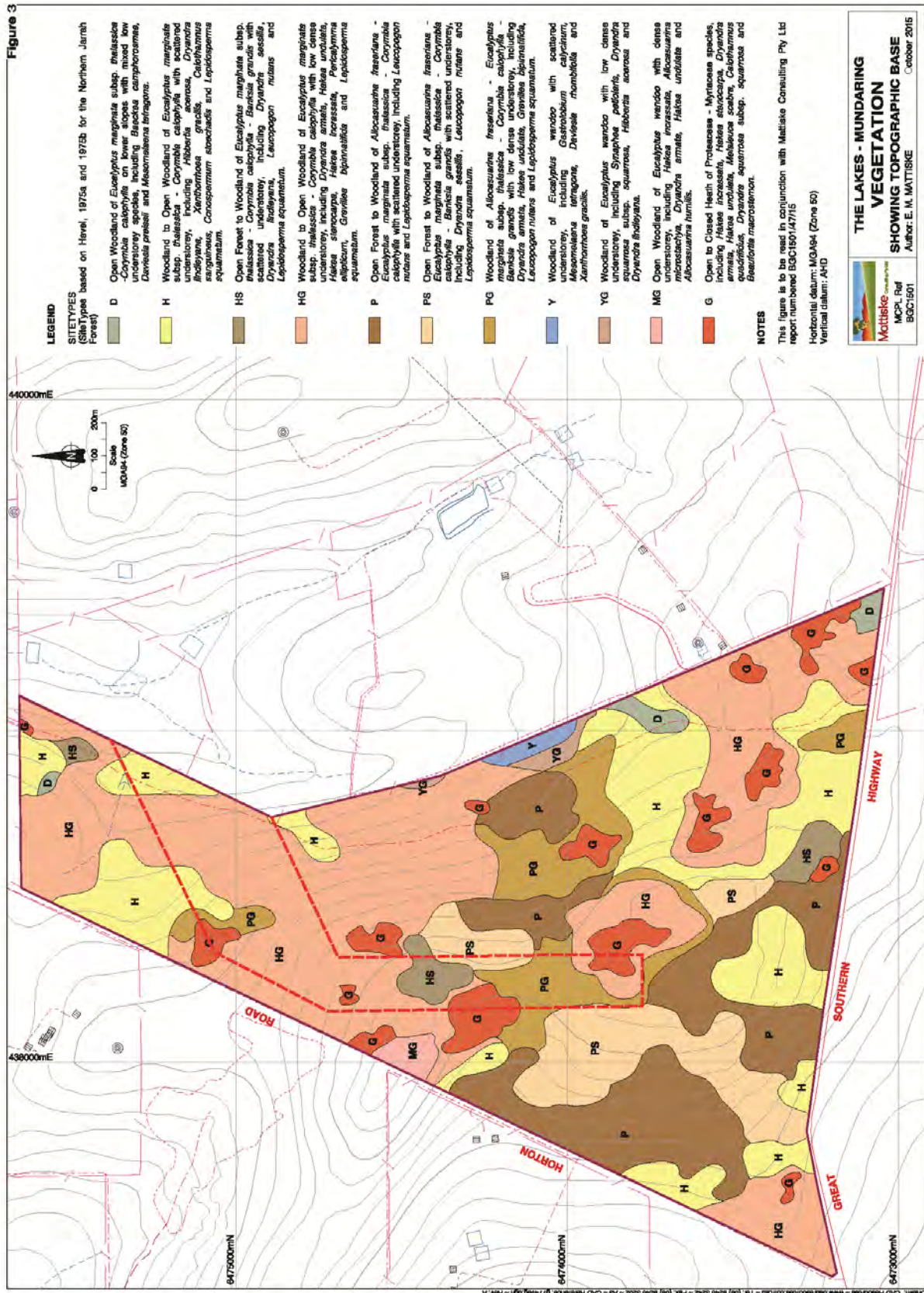
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*Wildlife Conservation (Rare Fauna) Notice November 2015.*
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*Environmental Protection of Native Vegetation in Western Australia. Clearing of Native Vegetation, with Particular Reference to the Agricultural Area. EPA Position Statement No. 2.* Environmental Protection Authority, WA.

- 
- Environmental Protection Authority (2000b)  
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*Attachment 2 to Statement 925. Notice of Changes to Implementation Conditions (section 46C of the Environmental Protection Act 1986). Nammuldi- Silvergrass Expansion Project.* Signed July 10, 2015
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- Havel, J.J. (1975b)  
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*Vegetation Complexes of the Darling System, Western Australia.* In: Department of Conservation and Environment (1980) Atlas of Natural Resources Darling System, Western Australia. Department of Conservation and Environment, Perth, 1980.
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*The Vertebrate Fauna of Avon Loc 1881 Lots 11 and 14 Horton Road The Lakes – Mundaring.* Unpublished report prepared for BGC Quarries, January 2002.
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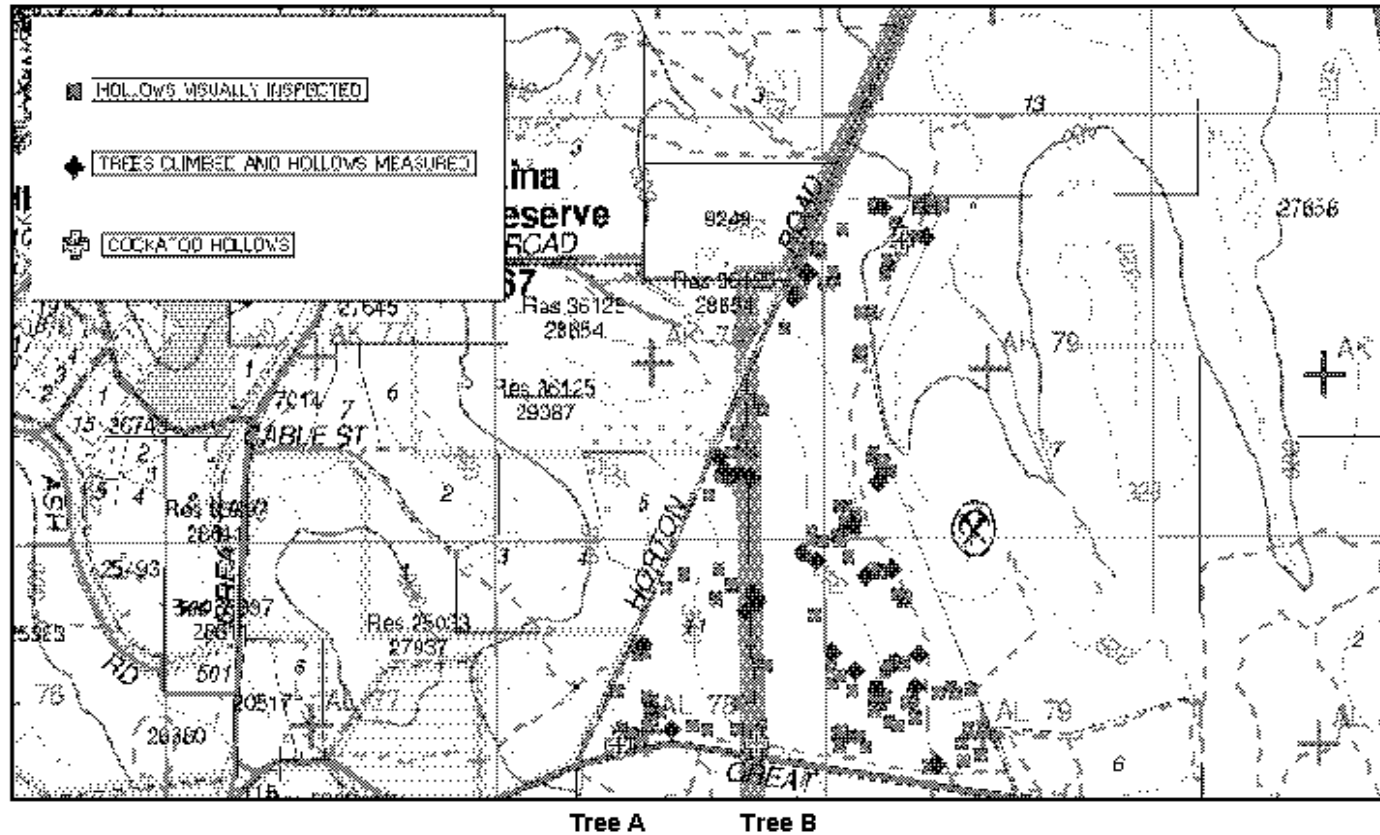




## **Attachment 9 – Cockatoo Hollows**

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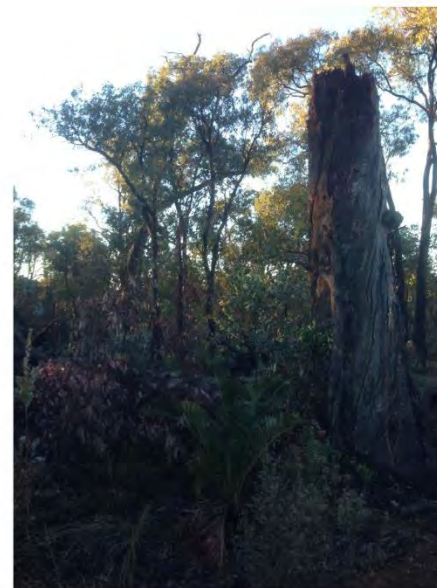
### Tree Hollows Within Lots 11 and 14



**Tree A**



**Tree B**



## **Attachment 10 – Rowe Report 2016**

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**Review of Statutory and Strategic Documents relating to hard rock quarrying activities  
Lots 11 & 14 Horton Road, The Lakes**

**State Strategic Documents**

**State Planning Strategy 2050**

The *State Planning Strategy* is a land use planning strategy prepared by the Western Australian Planning Commission. The Minister for Planning, the Hon John Day MLA, launched the *State Planning Strategy 2050* in June 2014. The Strategy is aimed at developing a land use planning system which achieves a number of key goals including the creation of wealth, protection and improvement of the environment and the building of vibrant and safe communities. The *State Planning Strategy* applies to the entire subject site.

The Strategy sets out the key principles which should guide the way in which future planning decisions are made at all levels of government. It also provides a range of strategies and actions which support these principles generally and for each of the ten defined regions of the State.

We outline the following relevant key principles which are at the core of the *State Planning Strategy 2050*:

- **Environment:** conserving the State's natural assets through sustainable development.

Please see the below relevant extract of the 'Environment' principle section of *State Planning Strategy 2050*:

*"The intrinsic value of the State's environmental assets and their potential for future economic opportunities needs to be recognised through conservation and management. This includes conserving areas of native vegetation and the biodiversity of species populations and ecological communities.*

*A careful and managed balance of conservation and development will ensure the State can sustain its growth and prosperity over the long term. It is imperative therefore that the State's biodiversity and natural resources are well-managed so that short-term gains do not compromise future opportunities."*

- **Regional Development:** building the competitive and collaborative advantages of the regions.

Please see the below relevant extract of the 'Regional Development' principle section, of *State Planning Strategy 2050*:

*"In order to achieve sustained growth as a state, each region must capitalise on its unique characteristics, assets, resources and supply chains, both independently and by collaboration with all the other regions. Synergies between regions should be the impetus for collaboration."*

We also outline the following relevant 'Strategic Goal' of the *State Planning Strategy 2050*:





- **Conservation:** conserving the natural environment through sustainable development and prudent use of resources.

Please see the below relevant extracts of the Strategic Goal 5 – ‘Conservation’ section of *State Planning Strategy 2050*:

*“Conservation will increase the resilience of the State’s natural environment by limiting the clearing of native vegetation, maximising natural habitat protection and rehabilitation, avoiding development in environmentally sensitive areas, and reducing the fragmentation of vegetation by urban and industrial development.” “Consumption of natural resources in the development of cities and regional centres needs to be managed in a way that will secure these assets for future generations.” “Western Australia is a significant global competitor in the provision of natural resources and is emerging as a strong competitor in the development of eco-technologies that reduce environmental impact. Ongoing innovation in these technologies will ensure the sustainable use and consumption of our natural resources.”*

More specifically, the *State Planning Strategy 2050* outlines the following ‘State Challenge’ relating to Basic Raw Materials:

*“**Basic raw materials:** All industrial, commercial and residential development requires basic raw materials. Beyond construction, basic raw materials also have a significant role in mineral processing and refining and in agriculture, and are subject to conflicting supply and access demands. Development can sterilise resources close to the urban front by limiting extraction, resulting in increased pressure on distant sources. The resultant transport requirements increase direct and other costs, including an increased carbon footprint, congestion and road safety. To maintain current living standards, sand, limestone, rock aggregate and clay need to be affordable. This presents a challenge for structure planning as supplies of basic raw materials affect the development and industrial capability of Western Australia. The challenge requires an integrated long-term view of current and future sources, improved rehabilitation and post-extraction capabilities, that leads to planning within a multiple land-use framework”*

In response to the above ‘State Challenge’ the State Planning Strategy provides the following ‘Aspirations’ to deal with the challenge:

- Appropriate policies are in place to manage existing and future BRM supplies over the long term.
- BRM are optimally used for their highest purpose.
- The securing of BRM sites is managed through robust strategic sequential land use planning and development control prior to final land use.
- Demand for BRM is partly managed through compact settlement structures that contain high-density built form.



The subject site (Lots 11 and 14) is included within the 'South West Sector' of the *State Planning Strategy 2050*.

Lot 11 of the subject site is included within the 'Perth' section of the 'South West Sector'. More specific BRM and natural vegetation objectives, strategy initiatives and provisions for Lot 11 are defined under the documents outlined within this letter which relate to the State and Metropolitan Perth and Peel.

Lot 14 of the subject site is included within the 'Wheatbelt' section of the 'South West Sector'. More specific BRM and natural vegetation objectives, strategy initiatives and provisions for lot 14 are defined under the documents outlined within this letter which relate to the State and Regional areas.

#### Summary

The *State Planning Strategy 2050* identifies the need for planning initiatives which look to protect and manage our natural resources, in terms of both BRMs and our natural environment. The *State Planning Strategy 2050* is aspiring to provide for the provision of BRMs for the purpose of economic and infrastructure growth whilst maintaining our natural environment through conservation and/or rehabilitation post extraction. Further, it recognises that urban development and conservation initiatives strangle the potential of future BRM extraction sites. The *State Planning Strategy 2050* recognises that to maintain current living standards, BRMs need to be affordable. The Strategy recognises the merit of an integrated long-term view of current and future sources, improved rehabilitation and post-extraction capabilities.

#### **Directions 2031 and Beyond**

*Directions 2031 and Beyond* is a high level spatial framework and strategic plan that establishes a vision for future growth of the Metropolitan Perth and Peel region, as such applies to Lot 11 of the Subject Site. It provides a framework to guide the detailed planning and delivery of housing, infrastructure and services necessary to accommodate a range of growth scenarios. It is primarily focused on urban expansion for the growing population and provides direction on:

1. how we provide for a growing population whilst ensuring that we live within available land, water and energy resources;
2. where development should be focused and what patterns of land use and transport will best support this development pattern;
3. what areas we need to protect so that we retain high quality natural environments and resources; and
4. what infrastructure we need to support our growth.

The draft framework was released for public comment in June 2009, and finally published in August 2010. It has been formulated to accommodate population growth of the metropolitan Perth and Peel Region to 2.2 million by 2031 and 3.5 million by 2056.



*Directions 2031 and Beyond* includes a 'Prosperous City Plan' which is put in place to increase economic activity, increase housing affordability and provide for a range of employment and economic opportunity. The relevant objectives of the 'Prosperous City Plan' is as follows:

- Protect access to productive natural resources and agricultural land.

The following is stated under the objective "*Protect access to productive natural resources and agricultural land*":

*"The supply of basic raw materials in the metropolitan region is currently at risk. Existing sites that provide basic raw materials are in conflict with, and at risk from urban encroachment and are constrained by the presence of remnant vegetation. At the same time, excessive amounts of raw material are required to fill low lying areas of land that have been zoned for development. The Department of Planning will review State Planning Policy 2.4 Basic Raw Materials and prepare a basic raw materials strategy to address these issues".*

*Directions 2031 and Beyond* provides the following 'Way Forward' to deal with this BRM challenge:

*"Directions 2031 supports the development of contemporary policy responses to deal with the protection of important natural resources that are fundamental to supporting our local economy."*

Lot 11 of the subject site is identified as a 'Native Vegetation' site on Figure 9 'Green Network' of *Directions 2031 and Beyond* and as such forms part of the 'Green Network' plan. Under the 'Green Network' section of *Directions 2031 and Beyond*, it states: "*State planning policies will continue to preserve the qualities of these important areas*".

Lot 11 of the subject site is also included within the 'north-east' metropolitan sub-region as the north-east metropolitan sub-region encompasses the local government areas of Swan, Kalamunda and Mundaring. Further, Lot 11 of the subject site is shown as 'Rural' land under this sub-region. The strategy for this sub-region is expanded upon below, as it is a part of the suite of draft documents which make up the *Draft Perth and Peel @3.5 Million* planning framework.

#### Summary

*Directions 2031 and Beyond* recognises the need to protect our natural resources and agricultural land so that population growth is not adversely affected by the supply of basic raw materials. Further, it notes that Lot 11 of the subject site is of 'Native Vegetation' and it is in support of state planning policies which protect these areas. These are conflicting statements, however, does not state which land use / reserve is more important.



#### Draft Perth and Peel @ 3.5million

The *Draft Perth and Peel @ 3.5million* suite of documents includes the over-arching *Perth and Peel @ 3.5million* report and four draft sub-regional planning frameworks for the Central, North- West, North-East and South Metropolitan Peel sub-regions. As such, these documents apply to Lot 11 of the subject site. These documents are currently in draft form and were released for public comment in May of 2015. The submission period closed on 31 July 2015 and the draft is yet to be finalised. Once finalised, the frameworks will become sub-regional structure plans. They will be used by State agencies and Local Governments to guide residential and industrial development, and supporting infrastructure.

The draft suite of documents is intended to deliver the vision of a consolidated city as articulated in the *Directions 2031 and Beyond* document, through clear identification of the following:

- Where future homes and jobs should be located;
- How we can protect important environmental assets;
- How we can best utilise existing and proposed infrastructure; and
- Appropriate areas for greater infill development and residential density.

The objectives of the *Draft Perth and Peel @ 3.5 million* report are:

- **Liveable:** A city with an enviable quality of life characterised by a community which is diverse and inclusive; engaged and creative; safe and healthy.
- **Prosperous:** A city that capitalises on technology and innovation to deliver a strong, competitive economy; efficient infrastructure; and an engaged community and will become a destination of choice for skilled migrants and business investment from around the globe.
- **Connected:** A well serviced, accessible and connected city with strong regional, national and international links. People will be able to move freely around the city via a choice of efficient transport modes.
- **Sustainable:** Perth will responsibly manage its ecological footprint and live within its environmental constraints, while improving our connection with and enjoyment of the natural environment.
- **Collaborative:** Government, business and the community will collaborate to progress the aims and objectives of the city as a whole.

More specifically, Section 4.4 'Achieving the Directions 2031 Vision' of *Perth and Peel @ 3.5 Million* states that the basis for the 'Sub-Regional Planning Frameworks' is to set out urban growth proposals to "protect areas with Basic Raw Materials for timely extraction".

Section 8 'Environment and Landscapes' states that it will accommodate for environmental assessment and conservation through the 'Strategic Conservation Plan' which is the overarching document for the *Perth and Peel Green Growth Plan for 3.5 million* (expanded upon below). More specifically, Sub-section 'North-East Sub Region' of Section 8.1 'Regional Open Space' states: "More than 79,800 hectares or 40 per cent of the sub-region is protected either as parks and recreation or as State forest reservations under the Metropolitan Region Scheme. (The State forest reservation may contain a variety of active uses such as forestry, mining, recreation and heritage.) Significant environmental and landscape features include the Darling Escarpment, forests across the Darling Range and the Swan Valley vineyards. The abundance of trees is an



*important component of the lifestyle that draws people to the hills region. Careful consideration of this aspect must be given to any future development.* It is important to note that Lot 11 of the subject site is not included as 'Open Space' or 'State Forest' within Figure 11 'Open Space and State Forest' of the *Draft Perth and Peel @ 3.5 million*.

Further, Section 8.6 'Basic Raw Materials' indicates that there is a decreasing supply of BRMs due to increasing population and therefore housing demand. BRM extraction areas located outside of the Perth Metropolitan Area impose higher transportation costs and therefore increase construction costs and housing affordability. Section 8.6 states:

*"The Perth and Peel regions have a limited – and rapidly diminishing – supply of basic raw materials (BRM), the sand, limestone, clay and hard rock used by the development industry in construction, for clean fill and as road base. An estimated 90 per cent of all extracted BRM is used in commercial and residential development and demand is increasing. At the same time, the number of economically viable deposits is decreasing, with availability of these finite resources generally restricted by a range of environmental and land use constraints and while extraction costs are moderate, considerable transportation costs are impacting on housing affordability. Approximately 72 per cent of the regions' remaining limestone supply is located within the North West sub-region. Clay, sand and hard rock are located within rural areas of the North East sub-region and regionally significant deposits of limestone and sand are found the South Metropolitan Peel sub-region".*

#### **'Draft North-East Sub-regional Planning Framework'**

As stated above, the *Draft Perth and Peel @ 3.5 Million* suite of documents include four draft sub-regional planning frameworks. Lot 11 is included within the North-East sub-region and is nominated as 'Rural' land. As such, Lot 11 of the subject site is included within the planning context of the 'Draft North-East Sub-regional Planning Framework'. Covering a total area of approximately 2,010 square kilometres, the North-East planning subregion comprises of the City of Swan and the shires of Mundaring and Kalamunda.

This 'Draft North-East Sub-regional Planning Framework' sets out the following relevant proposals:

- Meet long-term housing requirements;
- Protect areas with regional conservation and landscape value; and
- Protect areas with basic raw materials for timely extraction.

One of the eleven (11) key principles outlined within the 'Draft North-East Sub-regional Planning Framework' is as follows:

- Identify ultimate land uses for industrial and public purposes sites, while promoting access to finite basic raw materials, through the staging and sequencing of development.



Plan 8 'Environment and Natural Resources' of the 'Draft North-East Sub-Regional Planning Framework' notes Lot 11 of the subject site as one of the sub-region's 'Regionally Significant Basic Raw Material' sites. As such the 'Draft North-East Sub-regional Planning Framework' states the following:

*"The extraction of critical basic raw materials may impact upon the sub-region's environmental attributes, highlighting the need for further investigation (through the strategic assessment process) into vegetation and habitat retention, consolidation and rehabilitation. Recognising the importance and limited availability of these resources, further work, including examination of trade-offs, is being undertaken as part of the Strategic Assessment of Perth and Peel regions in order to improve certainty that sufficient resources will be available to support the growth of the Perth and Peel regions."*

#### Summary

The *Draft Perth and Peel @3.5 Million* report recognises that to accommodate for urban expansion, BRMs are to be exploited within the North-East and South Metropolitan Peel sub-regions. The suite of documents recognise that environmental constraints and established urban areas are sterilising potential BRM extraction sites. It notes that it is essential to keep BRM extraction areas close to urban expansion areas to minimise transportation costs and therefore housing costs can remain competitive. Further, the suite of documents note that Lot 11 of the subject site is within a 'Regionally Significant Basic Raw Material' site and as such, should be considered for BRM extraction, even at the cost of potential loss of a portion of the sub-region's environmental attributes. The *Draft Perth and Peel @3.5 Million* indicates that environmental assessment shall be undertaken when BRM sites conflict with the sub-region's environmental attributes. Further, trade-offs and environmental rehabilitation programs should be considered when dealing with application of this nature.

#### **Perth and Peel Green Growth Plan for 3.5 Million (Draft)**

The State Government has prepared the *draft Perth and Peel Green Growth Plan for 3.5 million* to meet the challenge of an increase in population to 3.5 million people within Metropolitan Perth and Peel regions over the next 30 years, as such these documents apply to Lot 11 of the subject site. The Green Growth Plan delivers a comprehensive environmental program for the protection of both Commonwealth matters of national environmental significance and State environmental values. The Strategic Conservation Plan, Action Plans and State and Commonwealth Impact Assessment Reports which make up the Green Growth Plan were available for public comment from 17 December 2015 to 8 April 2016. Submissions that were received are currently being considered by the State Government prior to the preparation of final documents this year.

The overarching document within the Green Growth Plan is the 'Strategic Conservation Plan'. The 'Strategic Conservation Plan' establishes both long-term certainty for conservation outcomes and development in the Perth and Peel regions. It was developed to provide for the growth of the city to a



population of 3.5 million while protecting Perth and Peel's unique biodiversity and environmental systems. The 'Strategic Conservation Plan' is supported by nine Action Plans that detail the implementation processes for how development will proceed, how conservation actions will occur, and how monitoring and reporting will happen.

More specifically, Section 2.4 'Basic Raw Materials' of the 'Strategic Conservation Plan' states that BRM supplies are constrained by the growth of the city and by environmental considerations. The Key Objectives of Section 2.4 are as follows:

- Identify Significant Geological Supply nodes and master planning;
- Better integration of BRM with land use planning; and
- Alternatives to BRM.

More specifically, Section 2.4 'Basic Raw Materials' of the 'Strategic Conservation Plan' raises the point that there is a need for more BRM development to occur which will also accommodate environmental protection areas. Section 2.4 'Basic Raw Materials' also states that there is a need for BRM extraction in or close to the Perth Metropolitan Area as transport of BRMs impacts on housing and construction affordability. Section 2.4 states:

*"Aside from depletion, local BRM supplies are now becoming increasingly constrained by the growth of the city and important environmental considerations. The need to reduce future BRM requirements is an important part of the planning for future urban and industrial areas."*

The Key Objectives of Section 2.4 are further realised through the use of 'Action Plan D – Basic Raw Materials'. Action Plan D provides a detailed description of processes that will impact on BRM extraction activities as defined in the Basic Raw Material Class of Action under the *Perth and Peel Green Growth Plan for 3.5 Million*. The implementation of this action plan is intended to both protect important areas of remnant vegetation and secure strategic BRM resources to meet predicted future needs. This includes (but is not limited to) sand, limestone, clay and hard rock.

Action Plan D only includes new extraction areas and expansion of existing quarries noted within Figures 3-5 of the 'Strategic Conservation Plan'. These areas include:

- **Future Resource Extraction Areas:** Areas where BRM extraction will be approved subject to compliance with required measures, including rehabilitation and offsets (as per the program in Action Plan H) and other statutory extraction-related approvals.
- **Further Investigation Areas:** Further investigation (including the identification of Commonwealth and State environmental values) is required to determine if these areas or parts of them are suitable as Future Resource Extraction Areas.
- **Exclusion Areas:** Areas where for the purpose of meeting the objectives of the Strategic Conservation Plan, there will be no ground disturbing activities associated with BRM resource extraction.



### Summary

The 'Strategic Conservation Plan' together with the corresponding 'Action Plan D – Basic Raw Materials' identify that BRM extraction is essential in the future expansion of the City and therefore needs to be protected. Lot 11 is not identified within any of the above areas as defined within the 'Strategic Conservation Plan' or Action Plan D - Figure 3-3: 'Location of Basic raw materials (BRM) Class of Action'. As such, proposals to extract these resources will require separate assessment and approval under existing State and Commonwealth processes. Lot 11 and Lot 14 abut an existing extraction area as identified on Figure 3-3: of Action Plan D. Further, Figure 3-3 does not identify Lot 11 of the subject site as an 'Exclusion Area'- where resource extraction will not be approved and as such may be capable of accommodating BRM extraction activities.

### Regional Strategies

#### **Avon Arc Sub-Regional Strategy (2001)**

The Avon Arc Sub-Region lies to the east and north of the Perth Metropolitan Region in the western portion of the Wheatbelt Region and as such relates to Lot 14 of the subject site.

It includes the local government areas of Beverley, Brookton, Chittering, Gingin, Toodyay, York and Northam. One of the key strategies of the *State Planning Strategy 2050* was the preparation of a Sub-Regional Planning Strategy for the Avon Arc.

The Avon Arc Sub-Regional Strategy was released in January 2001 and aims to provide a regional framework for long-term land use within the Avon Arc.

The relevant guiding principles of the *Avon Arc Sub-Regional Strategy* are:

- Facilitating the efficient and timely extraction of Basic Raw Materials and mineral resources and subsequent rehabilitation.

Under this guiding principle, the *Avon Arc Sub-Regional Strategy* states:

*"Basic raw Materials are non-renewable and should be extracted with minimal impact on the natural environment and surrounding uses. Once extraction is complete the site should be rehabilitated to blend in with the surrounding landscape."*

- Conserving and enhancing the natural environment.

Under this guiding principle, the *Avon Arc Sub-Regional Strategy* states:





*"Protection and improvement of the natural environment are important to the biodiversity and ecological integrity of the region. Healthy natural systems play an important role in the maintenance of the life-supporting resources such as clean air, water, flora and fauna.*

Section 2.3 'Natural Environment' of the *Avon Arc Sub-Regional Strategy* provides specific 'Issues and Actions' which address conservation of the natural environment strategy objectives. The relevant 'Issues and Actions' of section 2.3 state:

- *"Clearing of remnant vegetation should be supported only for safety or specific development requirements that would not threaten the presence of rare and threatened flora, fauna and ecological communities."*
- *"Local Government to provide appropriate mechanisms within town planning schemes to preserve and enhance remnant vegetation."*
- *"Commissioner of Soil Conservation to assess areas greater than 1ha before approval to clear vegetation."*

Section 2.10 'Basic Raw Materials' of the *Avon Arc Sub-Regional Strategy* provides specific 'Issues and Actions' which address BRM extraction strategy objectives. The relevant 'Issues and Actions' of section 2.10 state:

- *"Rehabilitation Management Plans to be produced as part of the condition of Extraction License or Mining License."*
- *"Environmental Bonds may be required to guarantee acceptable rehabilitation standards are achieved."*
- *"Known resources to be shown on the Local Government planning schemes through location zoning."*
- *"Identify the location of Basic Raw Material resources for local usage."*
- *"The provision of basic raw materials Policy to be included within the local government town planning schemes."*
- *"Town planning schemes to designate compatible land uses near known resources."*
- *"Local Governments to liaise with proponents to develop a program outlining the timing of the extraction to avoid sterilisation of the resource."*
- *"Proposals for mining activities which may cause significant environmental impact to be referred to the EPA for consideration."*
- *"Where mineral resources have been identified, encourage the timely exploration of land for mineral resources ahead of development for residential, tourism and conservation areas or other incompatible uses. Consultation to occur between Local and State Government officers on sequential development to maximise post-mining benefits."*



Lot 14 of the subject site is zoned as 'Rural' under the *Avon Arc Sub-Regional Strategy* Figure 7: 'Land Use Plan'. Further, Lot 14 of the subject site is identified as a 'Rock – Construction materials' site under Figure 24 'Known Minerals and Basic Raw Materials'. Finally, Lot 14 of the subject site is included within 'Moderate to High Priority' rural landscape under Figure 20: Landscape Management Priority Areas.

The objective relating to landscape management within the *Avon Arc Sub-Regional Strategy* is as follows:

- "Conserve and enhance the significant value and features that exist within the landscape of the Avon Arc."

More specifically, the objective for the Visual management Area B and C 'Moderate to High Priority' is as follows:

- "Development or changes in land use may be visually apparent, as far as practical but not dominant in the landscape."

#### Summary

The *Avon Arc Sub-Regional Strategy* recognises that the natural environment needs to be protected and managed, including remnant vegetation. Notwithstanding this, the *Avon Arc Sub-Regional Strategy* also recognises the importance of BRM extraction and provides guidance for cohesive planning approaches to exploit known BRM sites while managing and rehabilitating native habitat and rural landscape back to its original state.

#### State Planning Policies

##### **State Planning Policy 1 'State Planning Framework Policy'**

The State Planning Framework unites existing State and regional policies, strategies and guidelines within a central framework which provides a context for decision-making on land use and development in Western Australia. As such, SPP1 applies to the entire subject site. The policy was initially gazetted on 22 December 1998 as Statement of Planning Policy No.8. Subsequently, a variation to the policy, Statement of Planning Policy No 1 (Variation No 1) State Planning Framework Policy, was gazetted on 30 May 2000. The Statement of Planning Policy has now been further updated to include additional regional strategies, regional and sub-regional structure plans, strategic policies and operational policies that have been endorsed by the WAPC since May 2000. This Statement of Planning Policy does not introduce new policies but simply brings together existing policies, strategies and plans approved by the WAPC. It also restates and expands upon the key principles of the *State Planning Strategy* in planning for sustainable land use and development.

Part A of the State Planning Policy 1 'State Planning Framework Policy' outlines the 'General Principles' of State Planning Policy, which include:



- **Environment:** To protect and enhance the key natural and cultural assets of the State and deliver to all West Australians a high quality of life which is based on environmentally sustainable principles.
- **Community:** To respond to social changes and facilitate the creation of vibrant, safe and self reliant communities.
- **Economy:** To actively assist in the creation of regional wealth, support the development of new industries and encourage economic activity in accordance with sustainable development principles.
- **Infrastructure:** To facilitate strategic development by making provision for efficient and equitable transport and public utilities.
- **Regional Development:** To assist the development of regional Western Australia by taking account of the special assets and accommodating the individual requirements of each region.

More specifically, Section 3 of part A includes statements which elaborate on these principles and describe the factors which represent good and responsible decision-making in land use planning. The most relevant statements pertaining to natural resources, BRM extraction and the like are outlined below:

*"A1. Environment: The protection of environmental assets and the wise use and management of resources are essential to encourage more ecologically sustainable land use and development. Planning should contribute to a more sustainable future by:"*

*"ii. assisting in the conservation and management of natural resources, including air quality, energy, waterways and water quality, land, agriculture and minerals, to support both environmental quality and sustainable development over the long term."*

*"A3. Economy: Planning should contribute to the economic well-being of the State, regions and local communities by supporting economic development through the provision of land, facilitating decisions and resolving land use conflicts. In particular, planning should provide for economic development by:"*

*"i. providing suitable zoned and serviced land for industry, business and other employment and wealth generating activities."*

*"iii. avoiding land use conflicts by separating sensitive and incompatible uses from industry and other economic activities with off-site impacts."*

#### Summary

State Planning Policy 1 'State Planning Framework Policy' recognises the importance of protecting and managing our natural resources while still protecting our environment. The Policy indicates that our environmental protection areas and BRM sites should be planned for cohesively. The environment is to be protected while still being able to make use of our natural resources.



#### State Planning Policy 2.4 'Basic Raw Materials'

This Policy was gazetted as a State Planning Policy in 2000, representing an update of the Basic Raw Materials Policy Statement for the Perth Metropolitan Area [1992]. The WA Planning Commission indicated approximately 4 years ago that the Policy was to be reviewed, however we understand that this process is yet to commence. The WAPC and local governments must have 'due regard' to the provisions of state planning policies when preparing or amending local planning schemes and when making decisions on planning matters. The State Administrative Tribunal is also required to take account of state planning policies when determining appeals.

The policy relates to all local government areas in the Perth Metropolitan Area incorporating land zoned Rural under the Metropolitan Region Scheme, and also to Local Governments outside but abutting the Metropolitan Region Scheme boundary (including the Shire of Northam which is adjacent to Lot 11 of the subject site), as such SPP 2.4 relates to the entire subject site. It is designed to facilitate the extraction of basic raw materials close to the major markets in the metropolitan region and to avoid sensitive development close to basic raw material resources which could otherwise inhibit extraction of the resource.

The objectives of the policy are to:

- identify the location and extent of known basic raw material resources;
- protect Priority Resource Locations, Key Extraction Areas and Extraction Areas from being developed for incompatible land uses which could limit future exploitation;
- ensure that the use and development of land for the extraction of basic raw materials does not adversely affect the environment or amenity in the locality of the operation during or after extraction;
- provide a consistent planning approval process for extractive industry proposals including the early consideration of sequential land uses.

Section 6.1 of the Policy classifies the application area according to the following:

- **Priority Resource Locations.** These are the locations of regionally significant resources which should be recognised for future basic raw materials extraction and not be constrained by incompatible uses or development.
- **Key Extraction Areas.** These are areas of recognised regional resources providing for the long term supply of basic raw materials. These areas should be protected in relevant town planning schemes.
- **Extraction Areas.** These are existing extractive industries operating under the Mining Act 1978, the Local Government Act 1996, a regional planning scheme or a town planning scheme. They should be protected in the short term but will eventually be replaced by other uses or reserves.

Within the Policy, the subject site is shown as a 'Key Extraction Area' and as an 'Extraction Area'.



#### Summary

SPP 2.4 intends on minimising impact on the environment while still exploiting the 'Key Extraction Areas'. The subject site is identified within or abutting 'Key Extraction Areas' or 'Extraction Areas'. Rowe Group is of the opinion that the Policy lends weight to the view that the subject site should be considered for BRM extraction activities subject to the appropriate environmental considerations.

#### Local Government Strategic documents

##### **Shire of Mundaring Local Planning Strategy**

The Local Planning Strategy for the Shire of Mundaring was endorsed by the Western Australian Planning Commission on 28 May 2013. The Local planning Strategy has been prepared to set out the long term planning directions for the Shire and to guide land use planning within the Shire over a ten to fifteen year timeframe. The Local Planning Strategy comprises two documents:

- *The Local Planning Strategy: Background Document; and*
- *Local Planning Strategy: Strategies Document.*

The recommended strategies in the latter document are drawn from the background information and analysis contained within in the *Local Planning Strategy: Background Document*. These strategy documents relate to Lot 11 of the subject site.

##### **Local Planning Strategy: Background Document**

*The Local Planning Strategy: Background Document* sets out the State and regional planning context and the Local Government policy and strategic context, and contains a Shire Profile and an analysis of Key Issues which are also derived from existing State Planning Policies.

Elements of State Planning Policies most relevant to the Shire of Mundaring are outlined under Section 2.2.2, more specifically the *Local Planning Strategy: Background Document* states that the relevant provisions relating to BRMs in State Planning Policy 2 'Environmental and Natural Resources Policy' which are to inform the *Local Planning Strategy: Strategies Document* are:

- *(ii) Identify and protect important basic raw material resources and provide for their extraction and use in accordance with State Planning Policy No. 2.4: Basic Raw Materials*
- *(v) Support, where possible, improved efficiencies in the production and consumption of mineral and basic raw material resources to ensure their availability for future environmental and human uses.*

This *Local Planning Strategy: Background Document* also explores the *Metropolitan Rural Policy* and its relevance in terms of BRMs. The *Local Planning Strategy: Background Document* references the following relevant provisions of the *Metropolitan Rural Policy* which are to inform the strategy statements within the *Local Planning Strategy: Strategies Document* as follows:



- Land identified as Basic Raw Materials Resource Areas, Priority Resource Areas, Extraction Areas and Key Extraction Areas in the Basic Raw Materials Policy Statement for the Perth Metropolitan Region should be identified in local rural strategies and town planning schemes and appropriate measures included for their protection and exploitation in accordance with that policy.
- Existing and future extractive operations should be controlled to minimise detriment to the region's environment, landscape, water resources and amenity. Rehabilitation of all sites should be carried out in accordance with a rehabilitation program recognising the ultimate long-term use of the land.
- Subdivision and development of land will not normally be permitted within Resource Areas (unless exempted due to alternative land use commitments), Priority Resource Areas or Key Extraction Areas and associated buffer zones, except where it can be demonstrated that the proposal will not prejudice the long-term exploitation of the resource.

More specifically, Lot 11 is identified within the 'Shire of Mundaring –Basic Raw Materials extraction, Buffers and Areas of Potential' map shown at Figure 433 of the *Local Planning Strategy: Background Document* as a 'Gravel Reserve'. The recommendation for BRM and Gravel Reserve areas are as follows: "Maintain existing lot sizes in the vicinity of gravel extraction at The Lakes and adjacent Priority Resource Locations, Key Extraction Areas and Extraction Areas in abutting local governments."

Under the *Local Planning Strategy: Background Document* the Shire of Mundaring's *Local Biodiversity Strategy* prioritises Local Natural Areas according to their relative conservation priority. This is to assist with making decisions on planning proposals affecting Local Natural Areas and investment of resources to managing Local Natural Areas. These priority levels have also been taken into account in assigning levels of protection. Local Natural Areas are identified as having one of four conservation priorities based on a range of ecological values, these being 'Conservation', 'Protection', 'Retention' and 'Limited Protection'. The 'Protection Categories for Local Natural Areas' map of the *Local Planning Strategy: Background Document* includes Lot 11 within a 'Protection Category' Local Natural Area (Expanded upon below).

#### **Local Planning Strategy: Strategies Document**

The *Local Planning Strategy: Strategies Document* sets out the planning directions for the Shire and the recommended strategies for achieving these based on the background research, studies and recommendations contained within the *Local Planning Strategies: Background Document*.

The *Local Planning Strategy: Strategies Document* sets out the direct strategies recommended for the policy framework which surrounds the 'General Agriculture' zone under Section 6.6 'Strategies – General Agriculture'. It states:

- "Maintain existing lot sizes in the vicinity of gravel extraction at The Lakes and adjacent Priority Resource Locations, Key Extraction Areas and Extraction Areas in abutting local governments."



#### Summary

The Shire of Mundaring Local Planning Strategy reflects the State Strategic Documents in its intent for BRMs and Extraction Areas, where it recognises specific natural resource locations and BRM extraction sites and provide strategy statements to protect those areas for future exploitation. However, the Local Planning Strategy also recognises the need for retention and protection of its Local Natural Areas. Further guidance on whether the Local Natural Area is capable of removal to accommodate BRM extraction is outlined within the Shire of Mundaring's Local Planning Scheme No. 4 below.

#### **Shire of Northam Local Planning Strategy**

The study area for this *Local Planning Strategy* comprises all land within the Shire of Northam and therefore applies to Lot 14 of the subject site. The study area is bound by the Shires of Toodyay, Goomalling, Cunderdin, York and Mundaring. The *Local Planning Strategy* was released in July 2013 and will guide development until 2029.

The purpose of the Shire of Northam's *Local Planning Strategy* is to:

- Apply the *State Planning Strategy* and interpret the framework of State and regional policies and plans for the local area;
- Establish the local government's aims for the Shire and the strategies, policies and general proposals to achieve these aims;
- Provide an explanation for the statutory provisions of Local Planning Scheme No.6 to assist the local government make decisions under the Scheme;
- Explain the local government's broad strategy for the area in a way which is understandable to the public;
- Provide a basis for coordinating public and private development; and
- Promote the Shire's identity within the Wheatbelt Region.

The *Local Planning Strategy* maps show the various objectives, zones and reserves for land within the Shire of Northam. More specifically, land comprising of all or nearly all remnant vegetation or land which holds significant BRMs or minerals are identified as either 'Conservation'/'Landscape Protection' or 'Priority Resource and Extraction Areas'/'Extraction Industry Approved' on the *Local Planning Strategy* maps. Areas identified as Areas of Environmental Significance on the Strategy Maps include Special Control Area 1 'Avon and Mortlock Special Control Area' and Special Control Area 2 - 'Landscape Protection Special Control Area' as defined in Part 6 of Local Planning Scheme No 6 ('LPS6'). Lot 14 of the subject site is not included within any Special Control Area or depicted as 'Conservation' on the *Local Planning Strategy* maps. However, Lot 14 of the subject site is shown as a 'Priority Resource and Extraction Area' and also as an 'Extractive Industry Approved' area.



Section 2.4 'Mineral Resources and Basic Raw Materials' of the *Local Planning Strategy* identifies the 'Key Issues', 'Vision / Objectives', 'Strategies' and 'Actions' for BRMs within the Shire of Northam.

The 'Key Issues' for Section 2.4 are:

- *"Need to identify the location and extent of mineral resources and basic raw materials in the Shire and secure their long term protection.*
- *Need to provide for the proper and orderly planning and development of extractive industries to maximise economic benefits and minimise environmental and social impacts."*

The 'Vision / Objectives' for Section 2.4 are:

- *"Ensure significant mineral deposits and basic raw materials in the Shire are identified, protected and managed compatibly with environmental and community objectives"*

The 'Strategies' for Section 2.4 are:

- *"Identify and protect important mineral and basic raw material resources in the Shire to provide opportunity for their exploration and extraction in accordance with acceptable environmental standards.*
- *Ensure that the development and use of land for the extraction of minerals or basic raw materials does not adversely affect the environment or amenity in the locality of the operation during or after excavation and that due consideration is given to the rehabilitation and sequential use of extraction areas early in the planning process.*
- *Ensure that the development and use of land in the Shire for extractive industry purposes complies with all relevant legislation, policies, guidelines and codes of practice applicable at the time including any Extractive Industries Local Law."*

The relevant 'Actions' for Section 2.4 are:

- *"Consult the Department of Mines and Petroleum to identify the location and extent of all significant mineral resources and basic raw materials in the Shire and identify these on the Local Planning Strategy Maps."*
- *"Incorporate provisions in Local Planning Scheme No.6 that specify the circumstances under which the local government will support the development of extractive industries including application requirements and possible conditions of development approval.*
- *Prepare, adopt and regularly review local planning policies to ensure that all future extractive industry development in the Shire proceeds in a proper and orderly manner and provides for the progressive rehabilitation and sequential use of extraction areas."*





#### Summary

Lot 14 of the subject site is shown as a 'Priority Resource and Extraction Area' and as such is identified as being suitable for extraction activities under the *Local Planning Strategy*. Further, the *Local Planning Strategy* states that the development and use of land for the extraction of minerals or basic raw materials should not adversely affect the environment or amenity in the locality of the operation during or after excavation and that due consideration should be given to the rehabilitation and sequential use of extraction areas early in the planning process.

#### **Shire of Northam Local Biodiversity Strategy**

The *Local Biodiversity Strategy* was released February 2015 and applies to the entirety of the Shire of Northam and therefore includes Lot 14 of the Subject Site. The *Local Biodiversity Strategy*:

- Provides an overview of biodiversity assets retained in the Shire;
- Summarises legislative and policy requirements for biodiversity conservation;
- Reviews existing provisions in the local planning framework for biodiversity conservation; and
- Recommends a set of actions to improve the current status of biodiversity conservation in the Shire of Northam.

To assess the relative conservation priority of land within the Shire, 20 criteria representing biodiversity attributes were introduced with 2013 native vegetation mapping. The prioritisation criteria consider:

- Representation of ecological communities in the Shire and biogeographical regions.
- Presence of rare and threatened species and ecological communities.
- Presence of wetlands, waterways, riparian vegetation Native vegetation patch size and connectivity among patches.

The number of prioritisation criteria met by any portion of remnant vegetation provides a mechanism for comparison of relative conservation significance of remnant vegetation in the Shire. 20 criteria describing the representation status of vegetation, its rarity, presence of important ecosystem features to maintain ecological functions were used. The higher the number of criteria met, the greater the relative conservation significance.

Specifically, Lot 14 of the subject site is noted to have met five (5) of these twenty (20) criteria, giving it a prioritisation criteria rating of 5.

Areas which are considered to encompass a large amount of these criteria will be considered a 'Target Area' or a 'Selected Reserve'. Target Areas and selected reserves where inclusion or changes to conservation purposes are proposed are identified for a specific objective, such as the need to achieve an adequate representation of the diverse vegetation communities in the conservation network in the Shire. However, Lot 14 of the subject site is not nominated within a 'Target Area' or 'Selected Reserve'.



### Summary

The *Local Biodiversity Strategy* nominates areas of significance by categorising them into 'Target Areas' or 'Selected Reserves' which have strategic objectives placed on them for future conservation and rehabilitation purposes. Lot 14 is considered to have a prioritisation criteria rating of 5. Notwithstanding this, it is not included within a 'Target Area' or 'Selected Reserve'.

### Local Planning Schemes

#### **Shire of Mundaring Local Planning Scheme No. 4**

The Scheme divides the Shire of Mundaring district into zones to identify areas for particular uses and identifies land reserved for public purposes. Most importantly, the Scheme controls the types of uses and development allowed in different zones. The Original Town Planning Scheme Gazettal Date was 17 February 2014 and its most recent amendment was on 4 March 2016. Under the Shire's LPS4 the site is zoned 'General Agriculture'.

LPS4 identifies Lot 11 of the subject site within the 'General Agriculture' zone. The proposed use of land for extractive purposes can be defined under within LPS4 as an 'Industry – Extractive' use or as an 'Industry – Mining' use. The 'Industry – Extractive' use is an 'A' use under the zoning table of LPS4 and the 'Industry – Mining' use is a 'D' use under the zoning table of LPS4. An 'A' use means that the use is not permitted unless the Shire has exercised its discretion by granting planning approval after giving special notice in accordance with clause 9.4 of LPS4. A 'D' use means that the use is not permitted unless the local government has exercised its discretion by granting planning approval.

This means that an 'Industry – Extractive' or 'Industry – Mining' use is capable of approval within the 'General Agriculture' zone.

Section 5.7 of LPS4 details development standards applicable to all zones, with Clause 5.7.13 of LPS4 relating to Local Natural Areas. Such areas are identified in the Shire's Local Biodiversity Strategy and the Local Planning Strategy. Within these documents Lot 11 of the subject site is included within a 'Protection Category; Local Natural Area'.

Clause 5.7.13.2 and 5.7.13.3 state:

*"5.7.13.2 Where clearing of vegetation in a Local Natural Area is proposed by or would be a consequence of a Scheme Amendment, Structure Plan, subdivision or development requiring planning approval, the Shire may require or recommend that the subdivider or landowner prepare, or cause to be prepared, a Native Fauna and Flora Report and Management Plan to the satisfaction of the Shire prior to supporting or approving the proposal, or prior to clearing the land."*

*"5.7.13.3 The Shire may recommend or impose conditions of approval requiring actions to protect and manage fauna or flora identified pursuant to clause 5.7.13.2."*



Section 5.11 of LPS4 details development requirements for the General Agriculture zone, with Clause 5.11.1.2 of LPS4 stating as follows:

*"5.11.1.2 Where a lot is partly within one or more Local Natural Areas identified in the Local Planning Strategy, any development on that lot, including a Single House and associated structures (including outbuilding(s)), shall be:*

*(a) located in that portion of the lot outside the Local Natural Area(s); and*

*(b) set back sufficiently from the Local Natural Area so as to avoid any need to remove or modify vegetation within the Local Natural Area in order to comply with the requirements of the Planning for Bush Fire Protection Guidelines (2010) or any successor document in force within the Shire at the time."*

The following extracts from Clause 5.11.1.4 of LPS4 are relevant:

*"In determining any application for planning approval that does not comply with clause 5.11.1.2, there shall be a very strong presumption against clearing of a Local Natural Area identified for Protection..."*

*"Planning approval shall only be granted where it has been demonstrated that all alternative locations on the lot outside of any Local Natural Area are unviable, impractical or environmentally unsuitable."*

#### Summary

LPS4 makes provision for the protection of Local Natural Areas, though it does incorporate discretion to enable approval to land uses within identified Local Natural Areas where it is demonstrated that no other suitable locations exist. We suggest that this can be suitably addressed following consideration of the location of the existing hard rock quarry operation and the location of the resource to be extracted.

#### **Shire of Northam Local Planning Scheme No. 6**

The Scheme divides the Shire of Northam into zones to identify areas for particular uses and identifies land reserved for public purposes. Most importantly, the Scheme controls the types of uses and development allowed in different zones. LPS6 was gazetted on 21 August 2013 with its last amendment being on 20 May 2016. LPS6 applies to Lot 14 of the subject site.

LPS6 identifies Lot 14 of the subject site within the 'Rural' zone. The proposed use of land for extractive purposes can be defined under within LPS6 as an 'Industry – Extractive' use or as an 'Industry – Mining' use. The 'Industry – Extractive' use is an 'A' use under the zoning table of LPS6 and the 'Industry – Mining' use is a 'D' use under the zoning table of LPS6. An 'A' use means that the use is not permitted unless the local government has exercised its discretion by granting development approval after giving special notice in accordance with clause 64 of the deemed provisions. A 'D' use means that the use is not permitted unless the local government has exercised its discretion by granting development approval.



This means that an 'Industry – Extractive' or 'Industry – Mining' use is capable of approval within the 'Rural' zone.

The relevant objectives for the 'Rural' zone are as follows:

- "To provide for horticulture, extensive and intensive agriculture, agroforestry, local services and industries, extractive industries and tourist uses which ensure conservation of landscape qualities in accordance with the capability of the land."
- "To protect land from land degradation and further loss of biodiversity by:
  - (i) Minimising the clearing of remnant vegetation and encouraging the protection of existing remnant vegetation;
  - (ii) Encouraging the development of and the protection of corridors of native vegetation;
  - (iii) Encouraging the development of environmentally acceptable surface and sub-surface drainage works; and
  - (iv) Encouraging rehabilitation of salt affected land."

Further, Section 4.25 'Extractive and Mining Industries' of LPS6 outlines the 'General Development Requirements' for the 'Industry – Extractive' use. The 'General Development Requirements' stated under Clause 4.25.2 include the provision of a Plan and Report which:

- Describes the physical characteristics of the excavation site including significant environmental features;
- Demonstrates that sensitive land uses within 1,000 metres of the proposed extractive and mining industry operations will not be adversely affected by the use;
- Identifies appropriate buffer distances required for extraction that are needed to buffer the impact of operations to adjacent land uses;
- Provides details of the proposed use, development and management of the site
- Describes arrangements for access to the site, including the roads which are proposed to be used to provide the main vehicular access and likely traffic volumes;
- Provides details of proposed decommissioning and rehabilitation works;
- Describes future land use and development proposals following completion of decommissioning and rehabilitation works; and
- Any other information the local government considers relevant.

#### Summary

LPS6 makes provision to protect its Special Control Areas which relate to conservation of its ecological values and attributes, however, Lot 14 of the subject site is not included within any of the Special Control Areas or 'Conservation'/'Landscape Protection' areas as identified by the Shire of Northam's *Local Planning Strategy* maps. LPS6 provides scope for Extractive industry within Lot 14 as it is zoned 'Rural' under LPS6. Further, LPS6 provides scope for extractive industries within the shire on the proviso that it



does not adversely impact on threatened ecological communities and that the land will be rehabilitated after the extractive activity has ceased. LPS6 will still require extensive reports and management plans during the planning stage, as stated above.

#### **Overall Summary**

##### **State Planning Strategy 2050 (Lot 11 and 14)**

- The *State Planning Strategy 2050* identifies the need for planning initiatives which look to protect and manage our natural resources.
- Aims to provide BRMs for the purpose of economic and infrastructure growth.
- Recognises that urban development and conservation initiatives strangle the potential of future BRM extraction sites.
- Recognises the merit of an integrated long-term view of current and future sources, improved rehabilitation and postextraction capabilities.

##### **Directions 2031 and Beyond (Lot 11)**

- Supports the development of contemporary policy responses to deal with the protection of important natural resources that are fundamental to supporting our local economy; and
- Recognises Lot 11 of the subject site is of 'Native Vegetation' and it is in support of state planning policies which protect these areas.

##### **Draft Perth and Peel @ 3.5million (Lot 11)**

- Indicates that there is a decreasing supply of BRMs due to increasing population and therefore housing demand.
- Notes Lot 11 of the subject site is one of the sub-region's 'Regionally Significant Basic Raw Material' sites.
- The suite of documents recognise that environmental constraints and established urban areas are sterilising potential BRM extraction sites.
- Notes that environmental assessment shall be undertaken when BRM sites conflict with the sub-region's environmental attributes.

##### **Perth and Peel Green Growth Plan for 3.5 Million (Draft) (Lot 11)**

- The 'Strategic Conservation Plan' together with the corresponding 'Action Plan D – Basic Raw Materials' identify that BRM extraction is essential in the future expansion of the City and therefore needs to be protected.



- Lot 11 of the subject site is not identified within any of the above areas as defined within the 'Strategic Conservation Plan' or Action Plan D - Figure 3-3: 'Location of Basic raw materials (BRM) Class of Action'.
- Figure 3-3 does not identify Lot 11 of the subject site as an 'Exclusion Area'- where resource extraction will not be approved and as such may be capable of accommodating BRM extraction activities.
- Proposals to extract these resources will require separate assessment and approval under existing State and Commonwealth processes.

**Avon Arc Sub-Regional Strategy (2001) (Lot 14)**

- The *Avon Arc Sub-Regional Strategy* recognises that the natural environment needs to be protected and managed, including remnant vegetation.
- The *Avon Arc Sub-Regional Strategy* also recognises the importance of BRM extraction and provides guidance for cohesive planning approaches to exploit known BRM sites while managing and rehabilitating native habitat and rural landscape back to its original state

**State Planning Policy 1 'State Planning Framework Policy' (Lot 11 and 14)**

- Recognises the importance of protecting and managing our natural resources while still protecting our environment.
- The Policy indicates that our environmental protection areas and BRM sites should be planned for cohesively.
- Notes that the environment is to be protected while still being able to make use of our natural resources.

**State Planning Policy 2.4 'Basic Raw Materials' (Lot 11 and 14)**

- SPP 2.4 intends on minimising impact on the environment while still exploiting the 'Key Extraction Areas'.
- The subject site is identified within or abutting 'Key Extraction Areas' or 'Extraction Areas'.

**Local Planning Strategy: Background Document & Local Planning Strategy: Strategies Document (Lot 11)**

- Recognises specific natural resource locations and BRM extraction sites and provides strategy statements to protect those areas for future exploitation.
- Also recognises the need for retention and protection of its Local Natural Areas.
- Lot 11 of the subject site is shown as a 'Protection Category' LNA.
- Further guidance on LNA protections and BRM extraction is passed onto the LPS4.



#### Shire of Northam Local Planning Strategy (Lot 14)

- Lot 14 of the subject site is shown as a 'Priority Resource and Extraction Area' and as such is identified as being suitable for extraction activities under the *Local Planning Strategy*.
- States that the development and use of land for the extraction of minerals or basic raw materials should not adversely affect the environment or amenity in the locality of the operation during or after excavation and that due consideration should be given to the rehabilitation and sequential use of extraction areas early in the planning process.

#### Shire of Northam Local Biodiversity Strategy (Lot 14)

- The *Local Biodiversity Strategy* nominates areas of significance by categorising them into 'Target Areas' or 'Selected Reserves' based on prioritisation criteria met.
- Lot 14 is considered to have a prioritisation criteria rating of 5.
- Lot 14 is not included within a 'Target Area' or 'Selected Reserve'.

#### Shire of Mundaring Local Planning Scheme No. 4 (Lot 11)

- LPS4 makes provision for protection of Local Natural Areas, with the potential for extraction activities to be approved in such areas where it is suitably demonstrated that it is not possible to undertake the activity in an alternative location.
- The 'Industry – Extractive' use is an 'A' use under the 'General Agriculture' zone and is therefore capable of approval.
- The 'Industry – Mining' use is a 'D' use under the 'General Agriculture' zone and is therefore capable of approval.

#### Shire of Northam Local Planning Scheme No. 6 (Lot 14)

- LPS6 makes provision to protect its Special Control Areas which relate to conservation of its ecological values and attributes, however, Lot 14 of the subject site is not included within any of the Special Control Areas.
- The 'Industry – Extractive' use is an 'A' use under the 'Rural' zone and is therefore capable of approval.
- The 'Industry – Mining' use is a 'D' use under the 'Rural' zone and is therefore capable of approval.
- Provides scope for extractive industries within the shire on the proviso that it does not adversely impact on threatened ecological communities and that the land will be rehabilitated after the extractive activity has ceased.
- Requires extensive reports and management plans during the planning stage, as stated above

Based on the review of the above relevant documents, Rowe Group is of the opinion that BRM extraction activities may be capable of approval at the subject site (Lots 11 and 14). All documents recognise the



importance of protecting our natural environment, however, also recognise the importance of exploiting our natural resources and BRMs for the future growth of the City. Lot 11 of the subject site is recognised as 'Native Vegetation' and more specifically as a 'Protection Level' LNA. In addition, Lot 14 meets some of the criteria contained within the *Local Biodiversity Strategy* but not enough to have it considered as a 'Target Area' or 'Selected Reserve'. However, Lot 11 is also recognised as a 'Regionally Significant BRM Site' and Lot 14 is recognised as a 'Priority Resource and Extraction Area' and 'Approved Extraction Area'.

LPS4 states that the 'Industry – Extractive' use is an 'A' use and the 'Industry – Mining' use is a 'D' use within the 'General Agriculture' zone of LPS4 and is therefore considered capable of approval.

Notwithstanding the above, Lot 11 is a 'Protection Level' LNA. LPS4 provides scope for the potential removal of the 'Protection Level' LNA when it can be demonstrated that:

- The proposed use cannot be relocated around or outside of the LNA boundary;
- It would be impractical and unviable to relocate the proposed use outside of the LNA boundary;
- Management Plans and environmental assessments can identify, manage and mitigate detrimental impact on Native Fauna and Flora to the satisfaction of the Shire; and
- A rehabilitation plan can be put into place to return the LNA to its original state or to the satisfaction of the Council, once extraction activities have taken place.

LPS6 states that the 'Industry – Extractive' use is an 'A' use and the 'Industry – Mining' use is a 'D' use within the 'Rural' zone of LPS4 and is therefore considered capable of approval.

Further, LPS6 provides scope for the use of 'Industry – Extractive' and 'Industry – Mining' within the 'Rural' zone where it can be demonstrated that appropriate plans and reports which:

- Describes the physical characteristics of the excavation site including significant environmental features;
- Demonstrates that sensitive land uses within 1,000 metres of the proposed extractive and mining industry operations will not be adversely affected by the use;
- Identifies appropriate buffer distances required for extraction that are needed to buffer the impact of operations to adjacent land uses;
- Provides details of the proposed use, development and management of the site
- Describes arrangements for access to the site, including the roads which are proposed to be used to provide the main vehicular access and likely traffic volumes;
- Provides details of proposed decommissioning and rehabilitation works;
- Describes future land use and development proposals following completion of decommissioning and rehabilitation works; and
- Any other information the local government considers relevant.



## **Attachment 11 – CLG Membership Email**

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Re: CLG Meeting

mailbox:///C:/Users/psy/AppData/Roaming/Thunderbird/Profiles/ygyrftwui.default/Mail/10.0.0....

**Subject:** Re: CLG Meeting

**From:** "Michael Reeves" <valleyviewwines@optusnet.com.au>

**Date:** 17/09/2012 8:19 AM

**To:** "Peter Yates" <psy@bgc.com.au>, "Bert Llewellyn" <llew@westnet.com.au>, "Craig Hollingsworth" <cch@bgc.com.au>, "Paul Berkhout" <pab@bgc.com.au>, "Ulo Rumjantsev" <youanmi@aapt.net.au>, "Adrian Dyson" <adriandyson@mundaring.wa.gov.au>

**CC:** "Secretary Mundaring Shire" <shire@mundaring.wa.gov.au>, "Records Shire of Northam" <records@northam.wa.gov.au>, <pims@dec.wa.gov.au>, "Peter Yates" <psy@bgc.com.au>, "Craig Hollingsworth" <cch@bgc.com.au>, "Brian Dibble Optus" <briandibble@optusnet.com.au>, "Bert Llewellyn" <llew@westnet.com.au>, "Adrian Dyson" <adriandyson@mundaring.wa.gov.au>, "Ulo Rumjantsev" <youanmi@aapt.net.au>, "Rebecca Griffiths" <Rebecca.Griffiths@dec.wa.gov.au>

Hi Peter,

I apologise for the lateness of this reply. Have just returned from overseas.

I refer to the LAGs letter to the minister of the Environment dated 28 February 2012, a copy was ccd to Bert Llewellyn. In this correspondence the LAG stated that it was suspending its membership from the CLG for issues raised plus others.

The response from the minister was completely unacceptable and not worthy of reply.

The CLG, in my opinion has been ineffective and a waste of everyone's valuable time. I personally wish to have no more involvement with the CLG and any queries etc I will direct through the DEC and Shire of Northam.

Regards

Michael Reeves

----- Original Message -----

**From:** Peter Yates

**To:** Bert Llewellyn ; Craig Hollingsworth ; Paul Berkhout ; Ulo Rumjantsev ; Michael Reeves ; Adrian Dyson

**Sent:** Monday, September 10, 2012 12:15 PM

**Subject:** CLG Meeting

Hi everyone,

BGC would like to organise a meeting of the CLG to discuss the following items:

1. Members of the CLG - replacement for Brian Dibble who has sold his property and moved away.
2. BGC's commitment to covenant approx 120 hectares of land, fencing and the rehabilitation of Shire land.
3. Operating hours

I would like to try and organise it for the September 24th or October 8th. Please let me know your availability

Re: CLG Meeting

mailbox:///C:/Users/psy/AppData/Roaming/Thunderbird/Profiles/ygvrfwui.default/Mail/10.0.0....

Cheers

Peter Yates  
Health Safety & Environmental Officer  
BGC Asphalt & Quarries  
Tel 9572 6088  
Fax 9572 6015  
Mob 0427 016 889  
Email [psy@bgc.com.au](mailto:psy@bgc.com.au)  
Postal Address: PO Box 1257, Midland WA 6936

This email, together with any attachments, is intended for the addressee only. It may contain confidential or privileged information.

### 12.3.3 Shire of Northam Omnibus Scheme Amendment No. 6 to Local Planning Scheme No. 6 - Consideration of Submissions & Final Adoption

<b>Address:</b>	N/A
<b>Owner:</b>	N/A
<b>File Reference:</b>	3.1.10.6
<b>Reporting Officer:</b>	Leigh Ashby Planning Officer
<b>Responsible Officer:</b>	Chadd Hunt Executive Manager Development Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

Council initiated Scheme Amendment No. 6 to *Shire of Northam Local Planning Scheme No.6* (LPS6) at the Ordinary Council Meeting held on 20 April 2016 (Minute No. C.2679).

Council were previously asked to assess the submissions made in respect of proposed Scheme Amendment No. 6, and to consider adopting the amendment on 16 November 2016. However, upon submitting the scheme amendment to the Western Australian Planning Commission (WAPC), the WAPC advised that they required additional information. Staff were instructed to refer the application to particular government agencies and landowners that did not receive notification of the amendment as part of the original advertising period.

Staff have now completed the necessary steps outlined by the WAPC. In accordance with Section 50 of Part 5 (Division 3) of the *Planning and Development (Local Planning Schemes) Regulations 2015*, the Shire must consider all submissions in relation to a standard amendment to a local planning scheme lodged with the Shire within the submission period.

Council is asked to assess and determine the secondary round of submissions made in respect of proposed Amendment No. 6 prior to forwarding its final advice to the WAPC.

#### ATTACHMENTS

- Attachment 1: Scheme Amendment Document (with mark-ups).  
Attachment 2: Schedule of Submissions.

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#### BACKGROUND / DETAILS

The Shire's LPS6 was gazetted on 21<sup>st</sup> of August 2013. Ongoing use of LPS6 subsequent to gazettal has revealed a number of areas where refinements are required to improve the Scheme's operational effectiveness and to otherwise correct minor errors or omissions in the text.

Purpose of Amendment:

This omnibus amendment consists of twenty eight (28) proposals to amend LPS6 in the form of modification to the Scheme Maps, to correct drafting errors, rezoning of a property and make changes to the Scheme Text document.

Environmental Assessment:

After Council initiation in April 2016, assessment of the Amendment by the Environmental Protection Authority (EPA) was undertaken. The EPA advised in a letter dated 13 July 2016 that the Amendment is unlikely to have a significant impact on the environment and does not warrant formal assessment under Part IV of the *Environmental Protection Act 1986* (EP Act).

Original Advertising:

Subsequent to the EPA advice, the Amendment was advertised in accordance with Regulation 47(2) (a) up to and including (e) of the *Planning and Development (Local Planning Schemes) Regulations 2015*. The public submission period ended on Tuesday 11<sup>th</sup> October 2016.

Council received a total of two (2) submissions. These two submissions were assessed by Staff and put to Council as part of the original request for Council to consider submissions and adopt scheme amendment 6 in November 2016.

On 16 November 2016, Council resolved as follows:

*"That Council:*

- 1. Receive the Schedule of Submissions that forms the subject of Attachment 2 to the report;*
- 2. Determine the submissions by resolving to adopt the recommendations in the Schedule of Submissions that formed the subject of Attachment 2 to the report;*
- 3. Amend Proposed Amendment No. 6 to Local Planning Scheme No. 6 in the light of the submissions in accordance with the attached modified document that formed the subject of Attachment 1 to the report;*
- 4. Adopt Proposed Amendment No. 6 (as modified), comprising the modified Scheme Text and modified Scheme Map that formed the subject of Attachment 1 to the report;*
- 5. Submit Proposed Amendment No. 6 (as modified) to the Western Australian Planning Commission requesting that final approval of the Scheme Amendment by the Hon. Minister for Planning be sought."*

## CONSIDERATIONS

### **Strategic Community / Corporate Business Plan**

Objective RG1: Provide accountable and transparent leadership.

Strategy G1.1: Continue to develop Council's policy framework to guide decision making.

### **Financial / Resource Implications**

In adopting the recommendations of this report, there will be a need to prepare final documentation once the Hon Minister for Planning's decision with respect to the grant of final approval is known.

Costs will be incurred in publishing the gazettal notice in the Government Gazette. Enquiries of the State Law Publisher have determined that the cost of publication is likely to be of the order of approximately \$1,000. The cost of the gazettal notice will be met through the Department of Development Services' 2016/17 budget.

### **Legislative Compliance**

Planning Scheme amendments are processed in accordance with the *Planning and Development Act 2005* and *Planning and Development (Local Planning Schemes) Regulations 2015*.

### **Policy Implications**

Nil.

### **Stake Holder Engagement / Consultation**

#### Secondary Advertising:

The WAPC required that the amendment documents be referred to the following agencies for comment:

- Department of Agriculture and Food;
- Department of Environment Regulation;
- Department of Fire and Emergency Services;
- Department of Health;
- Main Roads WA;
- Department of Mines and Petroleum;
- Department of Parks and Wildlife;
- Tourism WA;
- Department of Water;
- Water Corporation;
- Western Power; and
- Telstra Corporation Limited.

The WAPC also advised that the landowners abutting Lot 881 Yilgarn Avenue, Malabaine were to be notified of the proposal to rezone the land from 'Rural'

to 'Light and Service Industry' and given an opportunity to make a submission on the proposal.

All submissions received during the advertising period can be viewed by referring to **Attachment 2** – Schedule of Submissions.

### **Risk Implications**

There are no known risks for the Shire of the recommendations of this report.

### **OFFICER'S COMMENT**

In light of the secondary round of advertising and referrals to land owners and government agencies, no critical issues were identified by staff. It is recommended that Council resolve to adopt the recommendations in the Schedule of Submissions that formed the subject of Attachment 2 to the report and advise the WAPC accordingly.

### **RECOMMENDATION**

#### **That Council:**

- 1. Receive the Schedule of Submissions that forms the subject of Attachment 2 to the report;**
- 2. Determine the submissions by resolving to adopt the recommendations in the Schedule of Submissions that formed the subject of Attachment 2 to the report;**
- 3. Advise the Western Australian Planning Commission accordingly.**

## Attachment 1

*Shire of Northam Local Planning Scheme No.6  
Amendment No. 6*



**LOCAL PLANNING SCHEME No.6**

**AMENDMENT No.6**

**OMNIBUS AMENDMENT**



*Shire of Northam Local Planning Scheme No.6  
Amendment No. 6*

**PLANNING AND DEVELOPMENT ACT 2005**  
**RESOLUTION DECIDING TO AMEND A LOCAL PLANNING SCHEME**  
**SHIRE OF NORTHAM**  
**LOCAL PLANNING SCHEME NO. 6**  
**AMENDMENT NO. 6**

RESOLVED that the Council, in pursuance of Section 75 of the Planning and Development Act 2005, amend the above local planning scheme as follows:

- 1.1 Under clause 3.3.2, after the 'P' symbol, insert the following symbol and corresponding meaning: -
  - 'I' means that the use is permitted if it is consequent on, or naturally attaching, appertaining or relating to the predominant use of the land and it complies with any relevant development standards and requirements of this Scheme;
- 1.2 In Table 1: Zoning Table, reclassify the use class 'Caretaker's Dwelling' in the 'Commercial' and 'Mixed Use' zones from 'P' to 'I'.
- 1.3 In Table1: Zoning Table, reclassify the use class 'Ancillary Accommodation' in the 'Mixed Use' zone from 'D' to 'X'.
- 1.4 In Table1: Zoning Table, reclassify the use class 'Shop' in the 'Mixed Use' zone from 'X' to 'D'.
- 1.5 In Table1: Zoning Table, delete the use class 'Park Home Park'.
- 1.6 Insert in alphabetical order, in Table 1: Zoning Table the following Land Use classes and symbols in the cross reference in the Zoning Table:
- 1.7 In Table 2: Site and Development Requirements Table (clause 4.5), with respect to the Mixed Use zone, modify the minimum boundary setback requirements from 7.5m (front), 7.5m (rear) and 4m (side) to \* (front), \* (rear) and \* (side).

\* Means – to be determined by the local government in each particular case.
- 1.8 In Table 3: Car Parking Guidelines (clause 4.13), delete the following land uses and corresponding minimum car parking requirements:

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- Fish Shop; and
- Public Amusement

1.9 Modify the wording of clause 4.22.3 to read as follows: -

Notwithstanding any other provisions contained in the Scheme, the local government may refuse to grant development approval for the development or use of any outbuilding on any Residential, *Rural Residential and Rural Smallholding* zoned lot which does not contain a dwelling.

1.10 Modify clause 4.24 by renumbering the existing provision subclause '4.24.1', and insert new subclauses 4.24.2 – 4.24.5 as follows: -

4.24.2 Where, in the opinion of the local government, an advertisement has been permitted to deteriorate to a point where it conflicts with the objectives of the Scheme, or it ceases to be effective for the purpose for which it was erected or displayed, the local government may by notice in writing require the advertiser to –

- (i) repair, repaint or otherwise restore the advertisement to a standard specified by the local government in the notice; or
- (ii) remove the advertisement.

4.24.3 'The advertiser' shall be interpreted as any one person or any group comprised of the landowner, occupier, licensee or other person having an interest in, or drawing benefit from, the display of an advertisement concerned.

4.24.4 Any notice served in pursuant to clause 4.24.2 shall be served upon the advertiser and shall specify -

- (i) the advertisement(s) the subject of the notice;
- (ii) full details of the action or alternative courses of action to be taken by the advertiser to comply with the notice;
- (iii) the period, not being less than 60 days, within which the action specified shall be completed by the advertiser.

4.24.5 A person on whom notice is served under this clause may apply for a review to the State Administrative Tribunal under Part 14 of the Act against the determination of the local government.

1.11 Modify the wording of clause 4.30.4 to read as follows: -

The local government may grant temporary development approval for the temporary human habitation within an outbuilding on a Rural Residential or Rural Smallholding zoned lot for a period not exceeding 12 months if a building permit for a dwelling is concurrently in force.

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- 1.12 Modify the wording of clause 4.30.5 by inserting the words 'and Rural Smallholding' after the words 'Rural Residential' to read as follows: -

In the Rural Residential and Rural Smallholding zones, a demonstrated and sustainable water supply is to be provided in accordance with Western Australian Planning Commission Policy.

- 1.13 Insert new clause 4.31 as follows:

**4.31 GENERAL APPEARANCE OF BUILDINGS AND PRESERVATION OF AMENITY**

4.31.1 Where, in the opinion of the local government, any proposed building or the erection of structures or carrying out of site works is out of harmony with existing buildings or the landscape of the locality by virtue of the design and appearance of the development, the colour or type of materials to be used on exposed surfaces, the height, bulk and massing of any building, the local government may refuse the application for development approval. The refusal can be made notwithstanding that the application may otherwise comply with the provisions of the Scheme. The local government may place conditions on any development approval granted for the proposed development to ensure that it will not have an adverse impact on the character of the area or the amenity and landscape quality of the locality.

4.31.2 In exercising its discretion under this clause, the local government shall have regard to the following when assessing any application for development approval –

- (i) the external appearance of the building and any associated structures and landscaping;
- (ii) the dimensions and proportions of the building or structure;
- (iii) the materials used in the construction of the building taking into consideration texture, scale, shape and colour;
- (iv) the effect of the building or works on nearby properties, and on the occupants of those buildings;
- (v) the effect on the landscape and environment generally; and
- (vi) any other matter which in the opinion of the local government is relevant to the amenity of the locality.

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1.14 Insert new clause 4.32 as follows:

**4.32 UNTIDY PLACES, DERELICT VEHICLES, MACHINERY AND OBJECTS**

- 4.32.1 No land within the Scheme area shall on a permanent or regular basis be used for the purposes of storage and/or the disposal of rubbish, refuse, car bodies, industrial waste (whether liquid or solid) or any recycled materials or buildings without the written approval of the local government.
- 4.32.2 The local government may, by written notice as provided for in clause 3.25 and Schedule 3.1 of the *Local Government Act 1995* require the owner, occupier or lessee of any land to undertake such works or actions for the improvement of the conditions and visual presentation of that property to a standard commensurate with those conditions prevailing in the locality.
- 4.32.3 The local government shall not permit the storage and/or wrecking of derelict vehicles, sea containers or machinery or the storage of any materials within any zone, except the General Industry zone, if it is visible from any road or where, in the opinion of the local government, it detracts from the amenity of the locality without the written approval of the local government.
- 4.32.4 Notwithstanding clause 4.32.3, should the applicant justify the proposal, commit to suitable management and address visual impact concerns following the receipt of an application for development approval, the local government may grant approval with or without conditions.
- 4.32.5 Notwithstanding any other provision of the Scheme, the storage of disused vehicles and/or wrecking of any vehicle on private land other than land within the General Industrial zone is prohibited.

1.15 Insert new clause 4.33 as follows: -

**4.33 RELOCATED SECOND-HAND BUILDINGS**

- 4.33.1 The local government may permit the erection of a relocated building on a lot where –

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- (i) in its opinion such building is in a satisfactory condition and the design and location of the building is to the satisfaction of the local government and will not adversely affect the amenity of the locality;
- (ii) the applicant for a building permit for the relocated building lodges a cash bond and enters into an agreement, to the satisfaction of the local government, to ensure the building achieves a standard of presentation acceptable to the local government within 12 months of the issue of the building permit; and
- (iii) the proposal complies with the provisions of the local government's Local Planning Policies — Relocation and Use of Second-Hand Dwellings; and Transportable Structures.

1.16 Insert new clause 4.34 as follows: -

**4.34 HOLIDAY ACCOMMODATION USES — SHORT STAY RESTRICTIONS**

- 4.34.1 No person shall occupy any holiday accommodation use, as specified in Table 1: Zoning Table for more than a total of 3 months in any 12-month period unless approved by the local government for management purposes and staff accommodation.
- 4.34.2 Notwithstanding the provisions of clause 4.34.1, the local government may permit the permanent occupancy of not more than 15% of caravan sites within a caravan park, where the applicant can demonstrate, to the satisfaction of the local government, that the primary tourist accommodation purpose of the park will not be compromised and that adequate services and facilities exist to service the permanent population.

1.17 Insert new clause 4.35 as follows: -

**4.35 BUSH FIRE HAZARD AND FIRE MANAGEMENT PLANS**

- 4.35.1 The local government will need to be satisfied when assessing any request for rezoning, structure plan or application for development approval, where in the opinion of the local government there are bush fire risks, that development will comply with any relevant State and local government policy on bushfire protection and, where

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applicable, any endorsed fire management plan. In particular, the local government is to have regard to –

- (i) State Planning Policy 3.4 Natural Hazards and Disasters;
- (ii) Guidelines for Planning in Bushfire Prone Areas or any updates;
- (iii) any advice obtained from the Department of Fire and Emergency Services; and
- (iv) any other planning consideration the local government considers relevant.

4.35.2 Bushfire Prone Areas are those areas designated by the Bushfire Prone Area Maps as designated by the Fire and Emergency Services (FES) Commissioner, which form part of the Scheme for the purposes of clause 4.35.

4.35.3 The Bushfire Prone Area Maps may be amended from time to time and are to be held at the local government office.

4.35.4 Construction and/or additions to habitable buildings throughout the municipality in areas classified as Bush Fire Prone, irrespective of whether or not a development approval of the local government is required, will be subject to the relevant bushfire prone requirements pursuant to the Building Code of Australia and Australian Standard 3959—2009 (or any updates).

4.35.5 If an owner disputes their land's identification within a designated Bush Fire Prone Area, that owner may request in writing that the local government reconsider that identification. Supporting documentation is to be provided from a suitably qualified and/or experienced practitioner to address the requirements of the *Guidelines for Planning in Bushfire Prone Areas* (or any updates).

4.35.6 On receiving a request made under clause 4.35.5, the local government may determine that the land is not within a designated Bush Fire Prone area; or determine that the land's identification within a designated Bush Fire Prone Area is correct.

4.35.7 Applications for the construction and/or addition to habitable buildings within Bushfire Prone Areas are to be accompanied by a report from a suitably qualified and/or

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experienced practitioner, which is to identify the Bushfire Attack Level (BAL) in accordance with the requirements of the Guidelines for Planning in Bushfire Prone Areas (or any updates). The BAL level will inform the application of AS3959.

4.35.8 The landowner will be responsible for permanent hazard reduction measures to maintain the identified BAL.

4.35.9 The local government may impose conditions to reduce bush fire risk to people and/or property including –

- (i) the provision of a fire fighting water supply;
- (ii) the provision of fire services access;
- (iii) the preparation of a Fire Management Plan in accordance with the Guidelines for Planning in Bushfire Prone Areas (or any updates), and implementation of specific fire protection measures set out in the plan; and
- (iv) the implementation of measures to ensure that prospective purchasers are aware of the relevant scheme provisions, Fire Management Plan and publications addressing fire safety.

4.35.10 Where a Fire Management Plan has been endorsed by the Department of Fire and Emergency Services and/or the local government, through the planning process, the affected landowners will be responsible for the ongoing implementation of the 'landowners' responsibilities' section as specified in that Fire Management Plan.

18. Insert new clause 4.36 as follows: -

#### 4.36 TELECOMMUNICATIONS INFRASTRUCTURE

4.36.1 An application for development approval from the local government is required for the development of all telecommunications infrastructure (overhead cabling telecommunications towers, radio communications dishes, etc.) excluding those listed in the Telecommunications Low Impact Facilities Determination 1997 and subsequent Amendments to that Determination.

4.36.2 Applications for the development approval for telecommunications infrastructure shall be accompanied by plans and information required for applications for

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development approval under Part 7 of the deemed provisions and will be considered in relation to the following -

- (i) consistency with the objective and purpose of the zone or reserve;
- (ii) social and economic benefits of the proposal;
- (iii) the impact of the proposal on the landscape, heritage and environmental values of the locality;
- (iv) coordination with other services; and
- (v) any relevant Local Planning Policy adopted by the local government.

1.19 Insert new clause 4.37 as follows: -

**4.37 PROVISIONS AND CONTRIBUTIONS FOR SERVICES AND FACILITIES**

4.37.1 Where, in the opinion of the local government and/or the Commission, there will be a demand for the provision of services or facilities as a consequence of the carrying out of development or subdivision of land, then, subject to the provisions of clause 4.37.2 below, the local government may impose as a condition of development approval for that development and the Commission may impose as a condition of subdivision approval a requirement for the provision of those services and facilities or the making of a monetary contribution in lieu of such provision.

4.37.2 A condition for development approval for development referred to in clause 4.37.1 may only be imposed where the payment of the contribution is-

- (i) provided for in a Structure Plan endorsed by the Commission;
- (ii) provided for in an adopted Commission Policy including Appendix 1 of State Planning Policy 3.6 and as relevant Council's adopted policies relating to road upgrading, drainage and associated standard development contribution;
- (iii) set out in a Development Contribution Plan (clause 5.6 and Schedule 9 of the Scheme).

1.20 Insert new clause 4.38 as follows: -

**4.38 HOME OFFICE, HOME OCCUPATION AND HOME BUSINESS**



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- 4.38.1 Development approval is not required to conduct a home office as defined in the Scheme.
  - 4.38.2 Where the local government issues a development approval to conduct a home occupation or a home business, the approval relates to a specific occupier of a particular parcel of land. It shall not be transferred or assigned to any other person, and shall not be transferred from the land in respect of which it was granted.
  - 4.38.3 If in the opinion of the local government, a home occupation or home business is causing a nuisance or annoyance to owners or occupiers of land in the locality, the local government may rescind the approval.
  - 4.38.4 A development approval to conduct a home occupation or home business may be issued subject to an annual permit which may be renewed by application to the local government for development approval.
- 1.21 Under Schedule 1 'Dictionary of defined words and expressions, subclause 2 'land use definitions', insert in alphabetical order the following new definitions:
- "Abattoir" means premises used commercially for the slaughtering of animals for the purposes of consumption as food products;
- "Art Gallery" means premises —
- (a) that are open to the public; and
  - (b) where artworks are displayed for viewing or sale;
- "Bulky Goods Showroom" means premises —
- (a) used to sell by retail any of the goods and accessories of the following types that are principally used for domestic purposes —
    - (i) automotive parts and accessories;
    - (ii) camping, outdoor and recreation goods;
    - (iii) electric light fittings;
    - (iv) animal supplies including equestrian and pet goods;
    - (v) floor and window coverings;
    - (vi) furniture, bedding, furnishings, fabrics, Manchester and homewares;
    - (vii) household appliances, electrical goods and home entertainment goods;
    - (viii) party supplies;
    - (ix) office equipment and supplies;

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- (x) babies' and children's goods, including play equipment and accessories;
- (xi) sporting, cycling, leisure, fitness goods and accessories;
- (xii) swimming pools;

or

(b) used to sell by retail goods and accessories by retail if —

- (i) a large area is required for the handling, display or storage of the goods; or
- (ii) vehicular access is required to the premises for the purpose of collection of purchased goods;

"Commercial Vehicle Parking" means premises used for parking of one or 2 commercial vehicles but does not include —

(a) any part of a public road used for parking or for a taxi rank;

or

(b) parking of commercial vehicles incidental to the predominant use of the land;

"Garden Centre" means premises used for the propagation, rearing and sale of plants, and the storage and sale of products associated with horticulture and gardens;

"Holiday Accommodation" means 2 or more dwellings on one lot used to provide short term accommodation for persons other than the owner of the lot;

"Industry - Primary Production" means premises used —

- (a) to carry out a primary production business as that term is defined in the Income Tax Assessment Act 1997 (Commonwealth) section 995-1; or
- (b) for a workshop servicing plant or equipment used in primary production businesses;

"Liquor Store – Large" means premises the subject of a liquor store licence granted under the Liquor Control Act 1988 with a net lettable area of more than 300 m<sup>2</sup>;

"Liquor Store – Small" means premises the subject of a liquor store licence granted under the Liquor Control Act 1988 with a net lettable area of not more than 300 m<sup>2</sup>;

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“Small Bar” means premises the subject of a small bar licence granted under the Liquor Control Act 1988;

“Trade Supplies” means premises used to sell by wholesale or retail, or to hire, assemble or manufacture any materials, tools, equipment, machinery or other goods used for the following purposes including goods which may be assembled or manufactured off the premises —

- (a) automotive repairs and servicing;
- (b) building including repair and maintenance;
- (c) industry;
- (d) landscape gardening;
- (e) provision of medical services;
- (f) primary production;
- (g) use by government departments or agencies, including local government;

“Tree Farm” means land used commercially for tree production where trees are planted in blocks of more than one hectare, including land in respect of which a carbon right is registered under the Carbon Rights Act 2003 section 5;

“Waste Disposal Facility” means premises used —

- (a) for the disposal of waste by landfill; or
- (b) the incineration of hazardous, clinical or biomedical waste;

“Waste Storage Facility” means premises used to collect, consolidate, temporarily store or sort waste before transfer to a waste disposal facility or a resource recovery facility on a commercial scale;

- 1.22 In Schedule 7 ‘Rural Residential Zones’, modify the permissibility of uses (where currently not permitted – ‘X’) to permit ‘Ancillary Accommodation’ as a ‘D’ (discretionary) use in RR2, RR3, RR4, RR6, RR8, RR11, RR12, RR13, RR15, RR24, R26 and RR27.
- 1.23 In Schedule 7 ‘Rural Residential Zones’, modify the permissibility of uses (where currently not permitted – ‘X’) to permit ‘Family Day Care’ as an ‘A’ (discretionary, subject to advertising) in RR2, RR3, RR4, RR6, RR8, RR11, RR12, RR13, RR15, RR24, RR25, R26 and RR27.
- 1.24 In Schedule 8 ‘Rural Smallholding Zones’, modify the permissibility of uses (where currently not permitted – ‘X’) to permit ‘Ancillary Accommodation’ as a ‘D’ (discretionary) use in RSH1.

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1.25 In Schedule 8 'Rural Smallholding Zones', modify the permissibility of uses (where currently not permitted – 'X') to permit 'Family Day Care' as an 'A' (discretionary, subject to advertising) in RSH1.

1.26 Under Part 5 (Special Control Areas), insert the following text under clause 5.1.1: -

"8. SCA8 – Structure Plan Areas"

1.27 Under Part 5 (Special Control Areas), insert the following special control area provisions: -

**5.9 Structure Plan Areas (SCA8)**

5.9.1 Structure Plan Areas are shown on the Scheme Map as SCA8 with a number. A Schedule of these areas is set out in Schedule 10.

5.9.2 For the purpose of clause 5.9, unless the context otherwise requires;

"Proponent" means any owner or owners of land to which the Proposed Structure Plan relates that has or have submitted that Proposed Structure Plan.

"Proposed Structure Plan" means a Structure Plan which may apply to either a local area or a district that has been prepared in accordance with clause Part 4 of the deemed provisions.

"Structure Plan" means a proposed Structure Plan that has been approved by the Commission under clause 22(a) of the deemed provisions.

**5.9.3 Purpose**

The purpose of Structure Plan Areas Special Control Area is to:-

- (a) To identify areas requiring comprehensive structure planning prior to subdivision and development; and
- (b) To coordinate subdivision, land use and development in areas requiring comprehensive planning.

**5.9.4 Planning requirements**

- a) The local government requires a Structure Plan for a Structure Plan Area, or for any part or parts of a Structure Plan Area, before recommending subdivision

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or approving development of land within the Structure Plan Area.

- b) The local government may require a Structure Plan to be prepared for any land not within a Structure Plan Area where it can be demonstrated that the land requires substantial pre-planning before decisions are made with respect to its use, subdivision or development and the provisions of the foregoing clauses shall apply as relevant to the preparation of any such plan.
- c) Notwithstanding clause 5.9.4 a), the local government may approve a development or support a subdivision of the land in a manner that is consistent with the objectives of the underlying zone without requiring such a Structure Plan where, in its opinion, the proposal is of a minor nature, will not adversely affect the future subdivision or development of the land and where it can be demonstrated that it does not conflict with the future land use expectation of the Structure Plan Area.
- d) Where a Structure Plan exists, the subdivision and development of land is to generally be in accordance with the Structure Plan and any associated provisions contained in Schedule 10.
- e) The Commission may, as a condition of adopting or approving a Proposed Structure Plan, require a more detailed Structure Plan in future if the local government or the Commission considers that it will be necessary to provide additional detail to the proposals contained in the Proposed Structure Plans.
- f) Schedule 10 describes the Structure Plan Area in more detail and sets out the land use expectations, matters to be addressed and associated provisions for Structure Plans.

#### 5.9.5 Preparation of Structure Plans

- a) A Structure Plan must be prepared in a manner and form approved by the Commission in accordance with the provisions of clause 16 of the deemed provisions.
- b) A Structure Plan may with the agreement of the Commission after consultation with the local government, be prepared and implemented in stages.

#### 5.9.6 Operation of Structure Plan

- a) A Structure Plan commences operation on the date it is adopted by the Commission.

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- b) A Structure Plan may distinguish between the provisions, requirements or standards which are intended to have affect as if included in the scheme, and any provisions, requirements which are only for guidance or such other purposes as stipulated in the Structure Plan.

Dated this 20<sup>th</sup> day of April 2016

CHIEF EXECUTIVE OFFICER

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## AMENDMENT REPORT

### Purpose

To implement various (omnibus) amendments. Twenty eight (28) proposals have been identified for inclusion in this omnibus amendment to Local Planning Scheme No.6.

### Amendment Type

The amendment is a standard amendment pursuant to Regulation 34(f) of the Regulations as the proposal is considered to be an amendment that does not result in any significant environmental, social, economic or governance impacts on land in the scheme area;

### Statement

The Shire of Northam Local Planning Scheme No.6 (LPS6) was gazetted on 21<sup>st</sup> of August 2013. Ongoing use of LPS6 subsequent to gazettal has revealed a number of areas where refinements are required to improve the Scheme's operational effectiveness and to otherwise correct minor errors or omissions in the text. The process for implementation of recommended changes is through the Scheme Amendment process.

The inclusion of minor proposals in omnibus amendments provides an efficient and effective process to amend the Scheme, in terms of the number of proposals, public consultation, the Shire's resources and reporting to Council.

### Proposal

This omnibus amendment consists of twenty eight (28) proposals to amend LPS6 in the form or modification to the Scheme Maps, to correct drafting errors, rezoning of a property and make changes to the accompanying Scheme Text. The proposals are numbered sequentially with specific details of each proposal outlined and considered in this report.

#### Proposal 1

Modify clause 3.3.2, by inserting the symbol "I" and corresponding meaning after the symbol "P": -

'I' means that the use is permitted if it is consequent on, or naturally attaching, appertaining or relating to the predominant use of the land and it complies with any relevant development standards and requirements of this Scheme;

#### Explanation 1

There are a number of uses (such as a 'Caretakers Dwelling' which are incidental to another predominant use within the Scheme (i.e. the secondary use cannot exist without the primary use).

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**Proposal 2**

In Table 1: Zoning Table, reclassify the use class 'Caretaker's Dwelling' in the 'Commercial' and 'Mixed Use' zones from 'P' to 'I'.

**Explanation 2**

It is considered that it is inconsistent to permit a 'Caretakers Dwelling' on a lot without an existing primary use for the 'caretaker' to look after. Therefore the permissibility for this land uses under the Scheme should be 'I' Incidental.

**Proposal 3**

In Table1: Zoning Table, reclassify the use class 'Ancillary Accommodation' in the 'Mixed Use' zone from 'D' to 'X'.

**Explanation 3**

A 'Single House' is an 'X' use within the 'Mixed Use' zone. An 'Ancillary Accommodation' use cannot exist without a 'Single House' existing on a lot and therefore should also be classified as an 'X' use within the 'Mixed Use' zone.

**Proposal 4**

In Table1: Zoning Table, reclassify the use class 'Caretaker's Dwelling' in the 'General Industry' zone from 'X' to 'D'.

**Explanation 4**

Caretakers Dwellings offer greater security and surveillance for businesses within the 'General Industry' zone which is isolated from residential areas. It is recommended that 'Caretakers Dwellings' be classified as a 'D' (Discretionary" use within the 'General Industry' zone which would allow the Shire to consider 'Caretakers Dwellings' on a case by case basis.

**Proposal 5**

In Table1: Zoning Table, delete the use class 'Park Home Park'.

**Explanation 5**

Park homes can only occur in a caravan park. The use class is, therefore, surplus to requirements.

**Proposal 6**

Insert in alphabetical order, in Table 1: Zoning Table the following Land Use classes and symbols in the cross reference in the Zoning Table:



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LANDUSE	RESIDENTIAL	DEVELOPMENT	COMMERCIAL	MIXED USE	TOURIST	GENERAL INDUSTRY	LIGHT & SERVICE INDUSTRY	RURAL	RURAL RESIDENTIAL	RURAL SMALLHOLDING
Abattoir	X		X	X	X	A	X	A	X	X
Art Gallery	X		P	P	P	X	X	A	X	A
Bulky Goods Showroom	X		P	P	X	X	D	X	X	X
Commercial Vehicle Parking	A		X	X	X	P	P	D	A	A
Garden Centre	X		X	D	X	D	D	D	A	A
Holiday Accommodation	X		D	D	P	X	X	A	A	A
Industry - Primary Production	X		X	X	X	A	X	A	X	X
Liquor Store - Large	X		X	A	X	X	X	X	X	X
Liquor Store - Small	X		A	A	X	X	X	X	X	X
Small Bar	X		A	X	A	X	X	X	X	X
Trade Supplies	X		D	D	X	P	P	X	X	X
Tree Farm	X		X	X	X	X	X	D	X	X
Waste Disposal Facility	X		X	X	X	X	X	X	X	X
Waste Storage Facility	X		X	X	X	A	X	X	X	X

**Explanation 6**

The Shire has received a number of enquiries and development applications in recent years for all of the land uses listed above. In order to provide clarity to Officers and applicants of these proposals. It is recommended that the above land use definitions and their level of permissibility be added to the Shire's Planning Scheme.

**Proposal 7**

In Table 2: Site and Development Requirements Table (clause 4.5), with respect to the Mixed Use zone, modify the minimum boundary setback requirements from 7.5m (front), 7.5m (rear) and 4m (side) to \* (front), \* (rear) and \* (side).

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(\* Means – to be determined by the local government in each particular case.)

**Explanation 7**

The majority of lots zoned 'Mixed Use' are too small in area for proposed buildings to feasibly fit within the minimum lot boundary setbacks. In order to achieve desirable development outcomes within the 'Mixed Use' zone it is recommended that the appropriate setbacks be determined by the local government on a case by case basis denoted within the Scheme text by the \* symbol.

**Proposal 8**

In Table 3: Car Parking Guidelines (clause 4.13), delete the following land uses and corresponding minimum car parking requirements:

- Fish Shop; and
- Public Amusement

**Explanation 8**

The Shire's Local Planning Scheme No.6 does not contain land use definitions for a 'fish shop' or 'public amusement' land uses nor are they listed within the *Planning and Development (Local Planning Schemes) Regulations 2015*. It is therefore recommended that the car parking requirements for these redundant uses be removed from the Scheme.

**Proposal 9**

Modify the wording of clause 4.22.3 to read as follows: -

Notwithstanding any other provisions contained in the Scheme, the local government may refuse to grant development approval for the development or use of any outbuilding on any Residential, **Rural Residential and Rural Smallholding** zoned lot which does not contain a dwelling.

**Explanation 9**

The majority of outbuildings unlawfully habituated are located on lots zoned 'Rural Residential' and 'Rural Smallholdings'. It is recommended that Clause 4.22.3 be amended to ensure consistency with the Shire's Local Planning Policy 1 - Outbuildings. Note that it would still be possible to grant temporary occupation of an outbuilding within the 'Rural Residential' and 'Rural Smallholding' zone where a Building Permit has been granted and the dwelling is under construction.

**Proposal 10**

Modify clause 4.24 by renumbering the existing provision subclause '4.24.1', and insert new subclauses 4.24.2 – 4.24.5 as follows: -

4.24.2 Where, in the opinion of the local government, an advertisement has been permitted to deteriorate to a point where it conflicts with the objectives of the Scheme, or it ceases to be effective for the purpose for which it was

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<p>erected or displayed, the local government may by notice in writing require the advertiser to –</p> <ul style="list-style-type: none"> <li>(i) repair, repaint or otherwise restore the advertisement to a standard specified by the local government in the notice; or</li> <li>(ii) remove the advertisement.</li> </ul> <p>4.24.3 'The advertiser' shall be interpreted as any one person or any group comprised of the landowner, occupier, licensee or other person having an interest in, or drawing benefit from, the display of an advertisement concerned.</p> <p>4.24.4 Any notice served in pursuant to clause 4.24.2 shall be served upon the advertiser and shall specify -</p> <ul style="list-style-type: none"> <li>(i) the advertisement(s) the subject of the notice;</li> <li>(ii) full details of the action or alternative courses of action to be taken by the advertiser to comply with the notice,</li> <li>(iii) the period, not being less than 60 days, within which the action specified shall be completed by the advertiser.</li> </ul> <p>4.24.5 A person on whom notice is served under this clause may apply for a review to the State Administrative Tribunal under Part 14 of the Act against the determination of the local government.</p>
--

**Explanation 10**

There are a number of derelict and unmaintained signs within the Shire of Northam which detract from the appearance and amenity of our central business district in particular. The addition of these clauses would provide legal backing for the Shire to carryout enforcement action to ensure that land owners maintain their advertising signage to a satisfactory standard.

**Proposal 11**

Modify the wording of clause 4.30.4 to read as follows: -

The local government may grant temporary development approval for the **occupation of temporary human habitation within** an outbuilding on a Rural Residential or Rural Smallholding zoned lot for a period not exceeding 12 months if a **building licence** building permit for a dwelling is concurrently in force **and the outbuilding complies with the specific requirements of the Building Code of Australia.**

Current Wording	Proposed Wording
The local government may grant temporary development approval for the occupation of an outbuilding on a Rural Residential or Rural Smallholding zoned lot for a period	The local government may grant temporary development approval for the <b>temporary human habitation within</b> an outbuilding on a Rural Residential or Rural Smallholding zoned lot for a

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not exceeding 12 months if a building licence for a dwelling is concurrently in force and the outbuilding complies with the specific requirements of the Building Code of Australia.	period not exceeding 12 months if a building permit for a dwelling is concurrently in force.
--	--

**Explanation 11**

There is a minor change in the wording of Clause 4.30.4 to remove the reference to the Building Code of Australia which does not form part of the Scheme. All outbuildings are required to be constructed in accordance with the Building Code of Australia which is enforced under different legislation.

**Proposal 12**

Modify the wording of clause 4.30.5 by inserting the words 'and Rural Smallholding' after the words 'Rural Residential' to read as follows: -

In the Rural Residential **zone** and **Rural Smallholding zones**, a demonstrated and sustainable water supply is to be provided in accordance with Western Australian Planning Commission Policy.

<b>Current Wording</b>	<b>Proposed Wording</b>
In the Rural Residential zone, a demonstrated and sustainable water supply is to be provided in accordance with Western Australian Planning Commission Policy.	In the Rural Residential and Rural Smallholding zones, a demonstrated and sustainable water supply is to be provided in accordance with Western Australian Planning Commission Policy.

**Explanation 12**

There is a minor change in the wording to ensure the Scheme is consistent with Western Australian Planning Commission Policy.

**Proposal 13**

Insert new clause 4.31 as follows:

**4.31 GENERAL APPEARANCE OF BUILDINGS AND PRESERVATION OF AMENITY**

4.31.1 Where, in the opinion of the local government, any proposed building or the erection of structures or carrying out of site works is out of harmony with existing buildings or the landscape of the locality by virtue of the design and appearance of the development, the colour or type of materials to be used on exposed surfaces, the height, bulk and massing of any building, the local government may refuse the application for development approval. The refusal can be made notwithstanding that the application may otherwise comply with the provisions of the Scheme. The local government may place conditions on any development approval granted for the proposed

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development to ensure that it will not have an adverse impact on the character of the area or the amenity and landscape quality of the locality.

- 4.31.2 In exercising its discretion under this clause, the local government shall have regard to the following when assessing any application for development approval –
- (i) the external appearance of the building and any associated structures and landscaping;
  - (ii) the dimensions and proportions of the building or structure;
  - (iii) the materials used in the construction of the building taking into consideration texture, scale, shape and colour;
  - (iv) the effect of the building or works on nearby properties, and on the occupants of those buildings;
  - (v) the effect on the landscape and environment generally; and
  - (vi) any other matter which in the opinion of the local government is relevant to the amenity of the locality.

**Explanation 13**

The addition of this Clause would grant the local government to place greater weighting to the appearance of a building and its amenity within the streetscape when considering a new development application for a building.

**Proposal 14**

Insert new clause 4.32 as follows:

**4.32 UNTIDY PLACES, DERELICT VEHICLES, MACHINERY AND OBJECTS**

4.32.1 No land within the Scheme area shall on a permanent or regular basis be used for the purposes of storage and/or the disposal of rubbish, refuse, car bodies, industrial waste (whether liquid or solid) or any recycled materials or buildings without the written approval of the local government.

4.32.2 The local government may, by written notice as provided for in clause 3.25 and Schedule 3.1 of the *Local Government Act 1995* require the owner, occupier or lessee of any land to undertake such works or actions for the improvement of the conditions and visual presentation of that property to a standard commensurate with those conditions prevailing in the locality.

4.32.3 The local government shall not permit the storage and/or wrecking of derelict vehicles, sea containers or machinery or the storage of any materials within any zone, except the General Industry zone, if it is visible from any road or where, in the opinion of the local government, it detracts from the amenity of the locality without the written approval of the local government.

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4.32.4 Notwithstanding clause 4.32.3, should the applicant justify the proposal, commit to suitable management and address visual impact concerns following the receipt of an application for development approval, the local government may grant approval with or without conditions.

4.32.5 Notwithstanding any other provision of the Scheme, the storage of disused vehicles and/or wrecking of any vehicle on private land other than land within the General Industrial zone is prohibited.

**Explanation 14**

There Shire has recent numerous complaints in recent years regarding the derelict state of buildings and untidy premises. The addition of these clauses would provide legal backing for the Shire to carryout enforcement action to ensure that land owners maintain their properties and/or remove unsightly structures, vehicles and materials from yards.

**Proposal 15**

Insert new clause 4.33 as follows: -

**4.33 RELOCATED SECOND-HAND BUILDINGS**

- 4.33.1 The local government may permit the erection of a relocated building on a lot where –
- (i) in its opinion such building is in a satisfactory condition and the design and location of the building is to the satisfaction of the local government and will not adversely affect the amenity of the locality;
  - (ii) the applicant for a building permit for the relocated building lodges a cash bond and enters into an agreement, to the satisfaction of the local government, to ensure the building achieves a standard of presentation acceptable to the local government within 12 months of the issue of the building permit; and
  - (iii) the proposal complies with the provisions of the local government's Local Planning Policies — Relocation and Use of Second-Hand Dwellings; and Transportable Structures.

**Explanation 15**

Relocated second hand dwellings can have a detrimental impact upon the amenity or streetscape of an area in not completed to a high standard. It is recommended that this Clause be reintroduced to the Scheme to ensure that any relocated second hand dwelling is completed to a high standard in accordance with the Shire's Local Planning Policies.

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#### **Proposal 16**

Insert new clause 4.34 as follows: -

#### **4.34 HOLIDAY ACCOMMODATION USES—SHORT STAY RESTRICTIONS**

- 4.34.1 No person shall occupy any holiday accommodation use, as specified in Table 1: Zoning Table for more than a total of 3 months in any 12-month period unless approved by the local government for management purposes and staff accommodation.
- 4.34.2 Notwithstanding the provisions of clause 4.34.1, the local government may permit the permanent occupancy of not more than 15% of caravan sites within a caravan park, where the applicant can demonstrate, to the satisfaction of the local government, that the primary tourist accommodation purpose of the park will not be compromised and that adequate services and facilities exist to service the permanent population.

#### **Explanation 16**

The addition of the above Clauses will ensure that the Scheme is consistent with the Caravan & Camping Ground Regulations 1997. It will also ensure greater clarity for staff and proponents regarding the requirements for holiday accommodation uses (short-stay restrictions) and caravan parks alike.

#### **Proposal 17**

Insert new clause 4.35 as follows: -

#### **4.35 BUSH FIRE HAZARD AND FIRE MANAGEMENT PLANS**

- 4.35.1 The local government will need to be satisfied when assessing any request for rezoning, structure plan or application for development approval, where in the opinion of the local government there are bush fire risks, that development will comply with any relevant State and local government policy on bushfire protection and, where applicable, any endorsed fire management plan. In particular, the local government is to have regard to –
- (i) State Planning Policy 3.4 Natural Hazards and Disasters;
  - (ii) Guidelines for Planning in Bushfire Prone Areas or any updates;
  - (iii) any advice obtained from the Department of Fire and Emergency Services; and
  - (iv) any other planning consideration the local government considers relevant.

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- 4.35.2 Bushfire Prone Areas are those areas designated by the Bushfire Prone Area Maps as designated by the Fire and Emergency Services (FES) Commissioner, which form part of the Scheme for the purposes of clause 4.35.
- 4.35.3 The Bushfire Prone Area Maps may be amended from time to time and are to be held at the local government office.
- 4.35.4 Construction and/or additions to habitable buildings throughout the municipality in areas classified as Bush Fire Prone, irrespective of whether or not a development approval of the local government is required, will be subject to the relevant bushfire prone requirements pursuant to the Building Code of Australia and Australian Standard 3959—2009 (or any updates).
- 4.35.5 If an owner disputes their land's identification within a designated Bush Fire Prone Area, that owner may request in writing that the local government reconsider that identification. Supporting documentation is to be provided from a suitably qualified and/or experienced practitioner to address the requirements of the *Guidelines for Planning in Bushfire Prone Areas* (or any updates).
- 4.35.6 On receiving a request made under clause 4.35.5, the local government may determine that the land is not within a designated Bush Fire Prone area; or determine that the land's identification within a designated Bush Fire Prone Area is correct.
- 4.35.7 Applications for the construction and/or addition to habitable buildings within Bushfire Prone Areas are to be accompanied by a report from a suitably qualified and/or experienced practitioner, which is to identify the Bushfire Attack Level (BAL) in accordance with the requirements of the *Guidelines for Planning in Bushfire Prone Areas* (or any updates). The BAL level will inform the application of AS3959.
- 4.35.8 The landowner will be responsible for permanent hazard reduction measures to maintain the identified BAL.
- 4.35.9 The local government may impose conditions to reduce bush fire risk to people and/or property including –
- (i) the provision of a fire fighting water supply;
  - (ii) the provision of fire services access;
  - (iii) the preparation of a Fire Management Plan in accordance with the *Guidelines for Planning in Bushfire Prone Areas* (or any updates), and implementation of specific fire protection measures set out in the plan; and



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- (iv) the implementation of measures to ensure that prospective purchasers are aware of the relevant scheme provisions, Fire Management Plan and publications addressing fire safety.

4.35.10 Where a Fire Management Plan has been endorsed by the Department of Fire and Emergency Services and/or the local government, through the planning process, the affected landowners will be responsible for the ongoing implementation of the 'landowners' responsibilities' section as specified in that Fire Management Plan.

**Explanation 17**

The addition of the above Clauses will ensure that the Scheme is consistent with the WAPC State Planning Policy 3.7 Planning in Bushfire Prone Areas.

**Proposal 18**

Insert new clause 4.36 as follows: -

**4.36 TELECOMMUNICATIONS INFRASTRUCTURE**

4.36.1 An application for development approval from the local government is required for the development of all telecommunications infrastructure (overhead cabling telecommunications towers, radio communications dishes, etc.) excluding those listed in the Telecommunications Low Impact Facilities Determination 1997 and subsequent Amendments to that Determination.

4.36.2 Applications for the development approval for telecommunications infrastructure shall be accompanied by plans and information required for applications for development approval under Part 7 of the deemed provisions and will be considered in relation to the following -

- (i) consistency with the objective and purpose of the zone or reserve;
- (ii) social and economic benefits of the proposal;
- (iii) the impact of the proposal on the landscape, heritage and environmental values of the locality;
- (iv) coordination with other services; and
- (v) any relevant Local Planning Policy adopted by the local government.

**Explanation 18**

The Shire has received a number of applications in recent years for 'Telecommunications Infrastructure'. The addition of the above Clauses will provide greater clarity for Officers and applicants when considering an application

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for 'Telecommunications Infrastructure'.

#### **Proposal 19**

Insert new clause 4.37 as follows: -

#### **4.37 PROVISIONS AND CONTRIBUTIONS FOR SERVICES AND FACILITIES**

4.37.1 Where, in the opinion of the local government and/or the Commission, there will be a demand for the provision of services or facilities as a consequence of the carrying out of development or subdivision of land, then, subject to the provisions of clause 4.37.2 below, the local government may impose as a condition of development approval for that development and the Commission may impose as a condition of subdivision approval a requirement for the provision of those services and facilities or the making of a monetary contribution in lieu of such provision.

4.37.2 A condition for development approval for development referred to in clause 4.37.1 may only be imposed where the payment of the contribution is-

- (i) provided for in a Structure Plan endorsed by the Commission;
- (ii) provided for in an adopted Commission Policy including Appendix 1 of State Planning Policy 3.6 and as relevant Council's adopted policies relating to road upgrading, drainage and associated standard development contribution;
- (iii) set out in a Development Contribution Plan (clause 5.6 and Schedule 9 of the Scheme).

#### **Explanation 19**

The inclusion of these provisions in the Scheme complements the Development Contribution Plan provisions under Clause 5.6 of the Scheme, and will also provide greater clarity and certainty for staff, the Commission and proponents regarding requirements for developer contribution requirements.

#### **Proposal 20**

Insert new clause 4.38 as follows: -

#### **4.38 HOME OFFICE, HOME OCCUPATION AND HOME BUSINESS**

4.38.1 Development approval is not required to conduct a home office as

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defined in the Scheme.

4.38.2 Where the local government issues a development approval to conduct a home occupation or a home business, the approval relates to a specific occupier of a particular parcel of land. It shall not be transferred or assigned to any other person, and shall not be transferred from the land in respect of which it was granted.

4.38.3 If in the opinion of the local government, a home occupation or home business is causing a nuisance or annoyance to owners or occupiers of land in the locality, the local government may rescind the approval.

4.38.4 A development approval to conduct a home occupation or home business may be issued subject to an annual permit which may be renewed by application to the local government for development approval.

**Explanation 20**

The addition of the above Clauses will provide greater clarity for Officers and applicants and nearby landowners when considering an application for home employment land uses.

**Proposal 21**

Under Schedule 1 'Dictionary of defined words and expressions, subclause 2 'land use definitions', insert in alphabetical order the following new definitions:

"Abattoir" means premises used commercially for the slaughtering of animals for the purposes of consumption as food products;

"Art Gallery" means premises —

- (a) that are open to the public; and
- (b) where artworks are displayed for viewing or sale;

"Bulky Goods Showroom" means premises —

- (a) used to sell by retail any of the goods and accessories of the following types that are principally used for domestic purposes —
  - (i) automotive parts and accessories;
  - (ii) camping, outdoor and recreation goods;
  - (iii) electric light fittings;
  - (iv) animal supplies including equestrian and pet goods;
  - (v) floor and window coverings;
  - (vi) furniture, bedding, furnishings, fabrics, Manchester and homewares;
  - (vii) household appliances, electrical goods and home entertainment goods;
  - (viii) party supplies;

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- (ix) office equipment and supplies;
- (x) babies' and children's goods, including play equipment and accessories;
- (xi) sporting, cycling, leisure, fitness goods and accessories;
- (xii) swimming pools;

or

- (b) used to sell by retail goods and accessories by retail if —

"Commercial Vehicle Parking" means premises used for parking of one or 2 commercial vehicles but does not include —

- (a) any part of a public road used for parking or for a taxi rank;

or

- (b) parking of commercial vehicles incidental to the predominant use of the land;

"Garden Centre" means premises used for the propagation, rearing and sale of plants, and the storage and sale of products associated with horticulture and gardens;

"Holiday Accommodation" means 2 or more dwellings on one lot used to provide short term accommodation for persons other than the owner of the lot;

"Industry - Primary Production" means premises used —

- (a) to carry out a primary production business as that term is defined in the Income Tax Assessment Act 1997 (Commonwealth) section 995-1; or
- (b) for a workshop servicing plant or equipment used in primary production businesses;

"Liquor Store – Large" means premises the subject of a liquor store licence granted under the Liquor Control Act 1988 with a net lettable area of more than 300 m<sup>2</sup>;

"Liquor Store – Small" means premises the subject of a liquor store licence granted under the Liquor Control Act 1988 with a net lettable area of not more than 300 m<sup>2</sup>;

"Small Bar" means premises the subject of a small bar licence granted under the Liquor Control Act 1988;

"Trade Supplies" means premises used to sell by wholesale or retail, or to hire, assemble or manufacture any materials, tools, equipment, machinery or other goods used for the following purposes including goods which may be assembled or manufactured off the premises —

- (a) automotive repairs and servicing;
- (b) building including repair and maintenance;
- (c) industry;
- (d) landscape gardening;

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- (e) provision of medical services;
- (f) primary production;
- (g) use by government departments or agencies, including local government;

“Tree Farm” means land used commercially for tree production where trees are planted in blocks of more than one hectare, including land in respect of which a carbon right is registered under the Carbon Rights Act 2003 section 5;

“Waste Disposal Facility” means premises used —

- (a) for the disposal of waste by landfill; or
- (b) the incineration of hazardous, clinical or biomedical waste;

“Waste Storage Facility” means premises used to collect, consolidate, temporarily store or sort waste before transfer to a waste disposal facility or a resource recovery facility on a commercial scale;

**Explanation 21**

The above land use definitions relate to Proposal 6 as listed above. In order to provide clarity to Officers and applicants of these proposals, it is recommended that the above land use definitions be added to the Shire’s Planning Scheme.

**Proposal 22**

In Schedule 7 ‘Rural Residential Zones’, modify the permissibility of uses (where currently not permitted – ‘X’) to permit ‘Ancillary Accommodation’ as a ‘D’ (discretionary) use in RR2, RR3, RR4, RR6, RR8, RR11, RR12, RR13, RR15, RR24, R26 and RR27.

**Explanation 22**

The Shire has received requests from land owners located within the above zones where ‘Ancillary Accommodation’ is currently not permitted. The above modification would allow land owners within these zone to apply for ancillary accommodation which is recommended to be classified as a ‘D’ (Discretionary) use within the Scheme. It is considered there are no planning reasons not to consider ancillary accommodation in the Rural Residential zone.

**Proposal 23**

In Schedule 7 ‘Rural Residential Zones’, modify the permissibility of uses (where currently not permitted – ‘X’) to permit ‘Family Day Care’ as an ‘A’ (discretionary, subject to advertising) in RR2, RR3, RR4, RR6, RR8, RR11, RR12, RR13, RR15, RR24, RR25, R26 and RR27.

**Explanation 23**

The Shire has received requests from land owners located within the above zones where ‘Family Day Care’ is currently not permitted. The above modification would allow land owners within these zone to apply for ‘Family Day Care’ which is recommended to be classified as an ‘A’ (Advertising) use within the Scheme. It is considered there are no planning reasons not to consider family day care facilities

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in the Rural Residential zone.

**Proposal 24**

In Schedule 8 'Rural Smallholding Zones', modify the permissibility of uses (where currently not permitted – 'X') to permit 'Ancillary Accommodation' as a 'D' (discretionary) use in RSH1.

**Explanation 24**

The Shire has received requests from land owners located within the above zone where 'Ancillary Accommodation' is currently not permitted. The above modification would allow land owners within these zone to apply for ancillary accommodation which is recommended to be classified as a 'D' (Discretionary) use within the Scheme. It is considered there are no planning reasons not to consider ancillary accommodation in the Rural Smallholding zone.

**Proposal 25**

In Schedule 8 'Rural Smallholding Zones', modify the permissibility of uses (where currently not permitted – 'X') to permit 'Family Day Care' as an 'A' (discretionary, subject to advertising) in RSH1. It is considered there are no planning reasons not to consider family day care facilities in the Rural Smallholding zone.

**Explanation 25**

The Shire has received requests from land owners located within the above zone where 'Family Day Care' is currently not permitted. The above modification would allow land owners within these zone to apply for 'Family Day Care' which is recommended to be classified as an 'A' (Advertising) use within the Scheme.

**Proposal 26**

Under Part 5 (Special Control Areas), insert the following text under clause 5.1.1: -

8. SCA8 – Structure Plan Areas

**Explanation 26**

The addition of this Clause would afford the Shire the opportunity to ensure that a particular area is planned in a orderly and proper manner by enforcing a structure plan be prepared showing how the area is proposed to be developed.

**Proposal 27**

Under Part 5 (Special Control Areas), insert the following special control area provisions: -

**5.9 Structure Plan Areas (SCA8)**

5.9.1 Structure Plan Areas are shown on the Scheme Map as SCA8 with a number. A Schedule of these areas is set out in Schedule 10.

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5.9.2 For the purpose of clause 5.9, unless the context otherwise requires;

**“Proponent”** means any owner or owners of land to which the Proposed Structure Plan relates that has or have submitted that Proposed Structure Plan.

**“Proposed Structure Plan”** means a Structure Plan which may apply to either a local area or a district that has been prepared in accordance with clause Part 4 of the deemed provisions.

**“Structure Plan”** means a proposed Structure Plan that has been approved by the Commission under clause 22(a) of the deemed provisions.

5.9.3 Purpose

The purpose of Structure Plan Areas Special Control Area is to:-

- (a) To identify areas requiring comprehensive structure planning prior to subdivision and development; and
- (b) To coordinate subdivision, land use and development in areas requiring comprehensive planning.

5.9.4 Planning requirements

- a) The local government requires a Structure Plan for a Structure Plan Area, or for any part or parts of a Structure Plan Area, before recommending subdivision or approving development of land within the Structure Plan Area.
- b) The local government may require a Structure Plan to be prepared for any land not within a Structure Plan Area where it can be demonstrated that the land requires substantial pre-planning before decisions are made with respect to its use, subdivision or development and the provisions of the foregoing clauses shall apply as relevant to the preparation of any such plan.
- c) Notwithstanding clause 5.9.4 a), the local government may approve a development or support a subdivision of the land in a manner that is consistent with the objectives of the underlying zone without requiring such a Structure Plan where, in its opinion, the proposal is of a minor nature, will not adversely affect the future subdivision or development of the land and where it can be demonstrated that it does not conflict with the future land use expectation of the Structure Plan Area.
- d) Where a Structure Plan exists, the subdivision and development of land is to generally be in accordance with the Structure Plan and any associated provisions contained in Schedule 10.
- e) The Commission may, as a condition of adopting or approving a Proposed Structure Plan, require a more detailed Structure Plan in future if the local government or the Commission considers that it will be necessary to provide additional detail to the proposals contained in the Proposed Structure Plans.

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- f) Schedule 10 describes the Structure Plan Area in more detail and sets out the land use expectations, matters to be addressed and associated provisions for Structure Plans.

**5.9.5 Preparation of Structure Plans**

- a) A Structure Plan must be prepared in a manner and form approved by the Commission in accordance with the provisions of clause 16 of the deemed provisions.
- b) A Structure Plan may with the agreement of the Commission after consultation with the local government, be prepared and implemented in stages.

**5.9.6 Operation of Structure Plan**

- a) A Structure Plan commences operation on the date it is adopted by the Commission.
- b) A Structure Plan may distinguish between the provisions, requirements or standards which are intended to have affect as if included in the scheme, and any provisions, requirements which are only for guidance or such other purposes as stipulated in the Structure Plan.

**Explanation 27**

The addition of the above Clauses will provide greater clarity for Officers and applicants when considering, preparing and implementing a structure plan.

**Proposal 28**

Rezone Lot 881 Yilgarn Avenue, Malabaine from 'Rural' to 'Light and Service Industry'



**Explanation 28**

This lot has been identified in the Northam Growth Plan as being suitable for 'Light



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& Service Industry' development. In order to facilitate this type of development the land is required to be zoned 'Light & Service Industry'.

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## **PLANNING AND DEVELOPMENT ACT 2005**

### **SHIRE OF NORTHAM**

#### **LOCAL PLANNING SCHEME NO.6**

#### **AMENDMENT NO. 6**

The Shire of Northam under and by virtue of the powers conferred upon it in that behalf by the *Planning and Development Act 2005* hereby amends the above local planning scheme as follows:

- 1.1 Under clause 3.3.2, after the 'P' symbol, insert the following symbol and corresponding meaning: -  
  
'I' means that the use is permitted if it is consequent on, or naturally attaching, appertaining or relating to the predominant use of the land and it complies with any relevant development standards and requirements of this Scheme;
- 1.2 In Table 1: Zoning Table, reclassify the use class 'Caretaker's Dwelling' in the 'Commercial' and 'Mixed Use' zones from 'P' to 'I'.
- 1.3 In Table 1: Zoning Table, reclassify the use class 'Ancillary Accommodation' in the 'Mixed Use' zone from 'D' to 'X'.
- 1.4 In Table 1: Zoning Table, reclassify the use class 'Shop' in the 'Mixed Use' zone from 'X' to 'D'.
- 1.5 In Table 1: Zoning Table, delete the use class 'Park Home Park'.
- 1.6 Insert in alphabetical order, in Table 1: Zoning Table the following Land Use classes and symbols in the cross reference in the Zoning Table:
- 1.7 In Table 2: Site and Development Requirements Table (clause 4.5), with respect to the Mixed Use zone, modify the minimum boundary setback requirements from 7.5m (front), 7.5m (rear) and 4m (side) to \* (front), \* (rear) and \* (side).  
  
\* Means – to be determined by the local government in each particular case.
- 1.8 In Table 3: Car Parking Guidelines (clause 4.13), delete the following land uses and corresponding minimum car parking requirements:

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- Fish Shop; and
- Public Amusement

1.9 Modify the wording of clause 4.22.3 to read as follows: -

Notwithstanding any other provisions contained in the Scheme, the local government may refuse to grant development approval for the development or use of any outbuilding on any Residential, *Rural Residential and Rural Smallholding* zoned lot which does not contain a dwelling.

1.10 Modify clause 4.24 by renumbering the existing provision subclause '4.24.1', and insert new subclauses 4.24.2 – 4.24.5 as follows: -

4.24.2 Where, in the opinion of the local government, an advertisement has been permitted to deteriorate to a point where it conflicts with the objectives of the Scheme, or it ceases to be effective for the purpose for which it was erected or displayed, the local government may by notice in writing require the advertiser to –

- (i) repair, repaint or otherwise restore the advertisement to a standard specified by the local government in the notice; or
- (ii) remove the advertisement.

4.24.3 'The advertiser' shall be interpreted as any one person or any group comprised of the landowner, occupier, licensee or other person having an interest in, or drawing benefit from, the display of an advertisement concerned.

4.24.4 Any notice served in pursuant to clause 4.24.2 shall be served upon the advertiser and shall specify -

- (i) the advertisement(s) the subject of the notice;
- (ii) full details of the action or alternative courses of action to be taken by the advertiser to comply with the notice;
- (iii) the period, not being less than 60 days, within which the action specified shall be completed by the advertiser.

4.24.5 A person on whom notice is served under this clause may apply for a review to the State Administrative Tribunal under Part 14 of the Act against the determination of the local government.

1.11 Modify the wording of clause 4.30.4 to read as follows: -

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The local government may grant temporary development approval for the temporary human habitation within an outbuilding on a Rural Residential or Rural Smallholding zoned lot for a period not exceeding 12 months if a building permit for a dwelling is concurrently in force.

- 1.12 Modify the wording of clause 4.30.5 by inserting the words 'and Rural Smallholding' after the words 'Rural Residential' to read as follows: -

In the Rural Residential and Rural Smallholding zones, a demonstrated and sustainable water supply is to be provided in accordance with Western Australian Planning Commission Policy.

- 1.13 Insert new clause 4.31 as follows:

**4.31 GENERAL APPEARANCE OF BUILDINGS AND PRESERVATION OF AMENITY**

4.31.1 Where, in the opinion of the local government, any proposed building or the erection of structures or carrying out of site works is out of harmony with existing buildings or the landscape of the locality by virtue of the design and appearance of the development, the colour or type of materials to be used on exposed surfaces, the height, bulk and massing of any building, the local government may refuse the application for development approval. The refusal can be made notwithstanding that the application may otherwise comply with the provisions of the Scheme. The local government may place conditions on any development approval granted for the proposed development to ensure that it will not have an adverse impact on the character of the area or the amenity and landscape quality of the locality.

4.31.2 In exercising its discretion under this clause, the local government shall have regard to the following when assessing any application for development approval –

- (i) the external appearance of the building and any associated structures and landscaping;
- (ii) the dimensions and proportions of the building or structure;
- (iii) the materials used in the construction of the building taking into consideration texture, scale, shape and colour;
- (iv) the effect of the building or works on nearby properties, and on the occupants of those buildings;

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- (v) the effect on the landscape and environment generally; and
- (vi) any other matter which in the opinion of the local government is relevant to the amenity of the locality.

1.14 Insert new clause 4.32 as follows:

**4.32 UNTIDY PLACES, DERELICT VEHICLES, MACHINERY AND OBJECTS**

- 4.32.1 No land within the Scheme area shall on a permanent or regular basis be used for the purposes of storage and/or the disposal of rubbish, refuse, car bodies, industrial waste (whether liquid or solid) or any recycled materials or buildings without the written approval of the local government.
- 4.32.2 The local government may, by written notice as provided for in clause 3.25 and Schedule 3.1 of the *Local Government Act 1995* require the owner, occupier or lessee of any land to undertake such works or actions for the improvement of the conditions and visual presentation of that property to a standard commensurate with those conditions prevailing in the locality.
- 4.32.3 The local government shall not permit the storage and/or wrecking of derelict vehicles, sea containers or machinery or the storage of any materials within any zone, except the General Industry zone, if it is visible from any road or where, in the opinion of the local government, it detracts from the amenity of the locality without the written approval of the local government.
- 4.32.4 Notwithstanding clause 4.32.3, should the applicant justify the proposal, commit to suitable management and address visual impact concerns following the receipt of an application for development approval, the local government may grant approval with or without conditions.
- 4.32.5 Notwithstanding any other provision of the Scheme, the storage of disused vehicles and/or wrecking of any vehicle on private land other than land within the General Industrial zone is prohibited.

1.15 Insert new clause 4.33 as follows: -

#### 4.33 RELOCATED SECOND-HAND BUILDINGS

4.33.1 The local government may permit the erection of a relocated building on a lot where –

- (i) in its opinion such building is in a satisfactory condition and the design and location of the building is to the satisfaction of the local government and will not adversely affect the amenity of the locality;
- (ii) the applicant for a building permit for the relocated building lodges a cash bond and enters into an agreement, to the satisfaction of the local government, to ensure the building achieves a standard of presentation acceptable to the local government within 12 months of the issue of the building permit; and
- (iii) the proposal complies with the provisions of the local government's Local Planning Policies — Relocation and Use of Second-Hand Dwellings; and Transportable Structures.

1.16 Insert new clause 4.34 as follows: -

#### 4.34 HOLIDAY ACCOMMODATION USES — SHORT STAY RESTRICTIONS

4.34.1 No person shall occupy any holiday accommodation use, as specified in Table 1: Zoning Table for more than a total of 3 months in any 12-month period unless approved by the local government for management purposes and staff accommodation.

4.34.2 Notwithstanding the provisions of clause 4.34.1, the local government may permit the permanent occupancy of not more than 15% of caravan sites within a caravan park, where the applicant can demonstrate, to the satisfaction of the local government, that the primary tourist accommodation purpose of the park will not be compromised and that adequate services and facilities exist to service the permanent population.

1.17 Insert new clause 4.35 as follows: -

#### 4.35 BUSH FIRE HAZARD AND FIRE MANAGEMENT PLANS

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- 4.35.1 The local government will need to be satisfied when assessing any request for rezoning, structure plan or application for development approval, where in the opinion of the local government there are bush fire risks, that development will comply with any relevant State and local government policy on bushfire protection and, where applicable, any endorsed fire management plan. In particular, the local government is to have regard to –
- (v) State Planning Policy 3.4 Natural Hazards and Disasters;
  - (vi) Guidelines for Planning in Bushfire Prone Areas or any updates;
  - (vii) any advice obtained from the Department of Fire and Emergency Services; and
  - (viii) any other planning consideration the local government considers relevant.
- 4.35.2 Bushfire Prone Areas are those areas designated by the Bushfire Prone Area Maps as designated by the Fire and Emergency Services (FES) Commissioner, which form part of the Scheme for the purposes of clause 4.35.
- 4.35.3 The Bushfire Prone Area Maps may be amended from time to time and are to be held at the local government office.
- 4.35.4 Construction and/or additions to habitable buildings throughout the municipality in areas classified as Bush Fire Prone, irrespective of whether or not a development approval of the local government is required, will be subject to the relevant bushfire prone requirements pursuant to the Building Code of Australia and Australian Standard 3959—2009 (or any updates).
- 4.35.5 If an owner disputes their land's identification within a designated Bush Fire Prone Area, that owner may request in writing that the local government reconsider that identification. Supporting documentation is to be provided from a suitably qualified and/or experienced practitioner to address the requirements of the *Guidelines for Planning in Bushfire Prone Areas* (or any updates).
- 4.35.6 On receiving a request made under clause 4.35.5, the local government may determine that the land is not within a designated Bush Fire Prone area; or determine that the

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land's identification within a designated Bush Fire Prone Area is correct.

- 4.35.7 Applications for the construction and/or addition to habitable buildings within Bushfire Prone Areas are to be accompanied by a report from a suitably qualified and/or experienced practitioner, which is to identify the Bushfire Attack Level (BAL) in accordance with the requirements of the Guidelines for Planning in Bushfire Prone Areas (or any updates). The BAL level will inform the application of AS3959.
- 4.35.8 The landowner will be responsible for permanent hazard reduction measures to maintain the identified BAL.
- 4.35.9 The local government may impose conditions to reduce bush fire risk to people and/or property including –
- (i) the provision of a fire fighting water supply;
  - (ii) the provision of fire services access;
  - (iii) the preparation of a Fire Management Plan in accordance with the Guidelines for Planning in Bushfire Prone Areas (or any updates), and implementation of specific fire protection measures set out in the plan; and
  - (iv) the implementation of measures to ensure that prospective purchasers are aware of the relevant scheme provisions, Fire Management Plan and publications addressing fire safety.
- 4.35.10 Where a Fire Management Plan has been endorsed by the Department of Fire and Emergency Services and/or the local government, through the planning process, the affected landowners will be responsible for the ongoing implementation of the 'landowners' responsibilities' section as specified in that Fire Management Plan.

18. Insert new clause 4.36 as follows: -

**4.36 TELECOMMUNICATIONS INFRASTRUCTURE**

- 4.36.1 An application for development approval from the local government is required for the development of all telecommunications infrastructure (overhead cabling telecommunications towers, radio communications dishes, etc.) excluding those listed in the Telecommunications



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**Low Impact Facilities Determination 1997 and subsequent Amendments to that Determination.**

- 4.36.2 Applications for the development approval for telecommunications infrastructure shall be accompanied by plans and information required for applications for development approval under Part 7 of the deemed provisions and will be considered in relation to the following -
- (i) consistency with the objective and purpose of the zone or reserve;
  - (ii) social and economic benefits of the proposal;
  - (iii) the impact of the proposal on the landscape, heritage and environmental values of the locality;
  - (iv) coordination with other services; and
  - (v) any relevant Local Planning Policy adopted by the local government.

- 1.19 Insert new clause 4.37 as follows: -

**4.37 PROVISIONS AND CONTRIBUTIONS FOR SERVICES AND FACILITIES**

- 4.37.1 Where, in the opinion of the local government and/or the Commission, there will be a demand for the provision of services or facilities as a consequence of the carrying out of development or subdivision of land, then, subject to the provisions of clause 4.37.2 below, the local government may impose as a condition of development approval for that development and the Commission may impose as a condition of subdivision approval a requirement for the provision of those services and facilities or the making of a monetary contribution in lieu of such provision.
- 4.37.2 A condition for development approval for development referred to in clause 4.37.1 may only be imposed where the payment of the contribution is-
- (i) provided for in a Structure Plan endorsed by the Commission;
  - (ii) provided for in an adopted Commission Policy including Appendix 1 of State Planning Policy 3.6 and as relevant Council's adopted policies relating to road upgrading, drainage and associated standard development contribution;
  - (iii) set out in a Development Contribution Plan (clause 5.6 and Schedule 9 of the Scheme).

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1.20 Insert new clause 4.38 as follows: -

4.38 HOME OFFICE, HOME OCCUPATION AND HOME BUSINESS

- 4.38.1 Development approval is not required to conduct a home office as defined in the Scheme.
- 4.38.2 Where the local government issues a development approval to conduct a home occupation or a home business, the approval relates to a specific occupier of a particular parcel of land. It shall not be transferred or assigned to any other person, and shall not be transferred from the land in respect of which it was granted.
- 4.38.3 If in the opinion of the local government, a home occupation or home business is causing a nuisance or annoyance to owners or occupiers of land in the locality, the local government may rescind the approval.
- 4.38.4 A development approval to conduct a home occupation or home business may be issued subject to an annual permit which may be renewed by application to the local government for development approval.

1.21 Under Schedule 1 'Dictionary of defined words and expressions, subclause 2 'land use definitions', insert in alphabetical order the following new definitions:

"Abattoir" means premises used commercially for the slaughtering of animals for the purposes of consumption as food products;

"Art Gallery" means premises —

- (a) that are open to the public; and
- (b) where artworks are displayed for viewing or sale;

"Bulky Goods Showroom" means premises —

- (a) used to sell by retail any of the goods and accessories of the following types that are principally used for domestic purposes —
  - (i) automotive parts and accessories;
  - (ii) camping, outdoor and recreation goods;
  - (iii) electric light fittings;
  - (iv) animal supplies including equestrian and pet goods;
  - (v) floor and window coverings;
  - (vi) furniture, bedding, furnishings, fabrics, Manchester and homewares;

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- (vii) household appliances, electrical goods and home entertainment goods;
- (viii) party supplies;
- (ix) office equipment and supplies;
- (x) babies' and children's goods, including play equipment and accessories;
- (xi) sporting, cycling, leisure, fitness goods and accessories;
- (xii) swimming pools;

or

(b) used to sell by retail goods and accessories by retail if —

- (i) a large area is required for the handling, display or storage of the goods; or
- (ii) vehicular access is required to the premises for the purpose of collection of purchased goods;

“Commercial Vehicle Parking” means premises used for parking of one or 2 commercial vehicles but does not include —

(a) any part of a public road used for parking or for a taxi rank;

or

(b) parking of commercial vehicles incidental to the predominant use of the land;

“Garden Centre” means premises used for the propagation, rearing and sale of plants, and the storage and sale of products associated with horticulture and gardens;

“Holiday Accommodation” means 2 or more dwellings on one lot used to provide short term accommodation for persons other than the owner of the lot;

“Industry - Primary Production” means premises used —

- (a) to carry out a primary production business as that term is defined in the Income Tax Assessment Act 1997 (Commonwealth) section 995-1; or
- (b) for a workshop servicing plant or equipment used in primary production businesses;

“Liquor Store – Large” means premises the subject of a liquor store licence granted under the Liquor Control Act 1988 with a net lettable area of more than 300 m<sup>2</sup>;

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“Liquor Store – Small” means premises the subject of a liquor store licence granted under the Liquor Control Act 1988 with a net lettable area of not more than 300 m<sup>2</sup>;

“Small Bar” means premises the subject of a small bar licence granted under the Liquor Control Act 1988;

“Trade Supplies” means premises used to sell by wholesale or retail, or to hire, assemble or manufacture any materials, tools, equipment, machinery or other goods used for the following purposes including goods which may be assembled or manufactured off the premises —

- (a) automotive repairs and servicing;
- (b) building including repair and maintenance;
- (c) industry;
- (d) landscape gardening;
- (e) provision of medical services;
- (f) primary production;
- (g) use by government departments or agencies, including local government;

“Tree Farm” means land used commercially for tree production where trees are planted in blocks of more than one hectare, including land in respect of which a carbon right is registered under the Carbon Rights Act 2003 section 5;

“Waste Disposal Facility” means premises used —

- (a) for the disposal of waste by landfill; or
- (b) the incineration of hazardous, clinical or biomedical waste;

“Waste Storage Facility” means premises used to collect, consolidate, temporarily store or sort waste before transfer to a waste disposal facility or a resource recovery facility on a commercial scale;

1.22 In Schedule 7 ‘Rural Residential Zones’, modify the permissibility of uses (where currently not permitted – ‘X’) to permit ‘Ancillary Accommodation’ as a ‘D’ (discretionary) use in RR2, RR3, RR4, RR6, RR8, RR11, RR12, RR13, RR15, RR24, R26 and RR27.

1.23 In Schedule 7 ‘Rural Residential Zones’, modify the permissibility of uses (where currently not permitted – ‘X’) to permit ‘Family Day Care’ as an ‘A’ (discretionary, subject to advertising) in RR2, RR3, RR4, RR6, RR8, RR11, RR12, RR13, RR15, RR24, RR25, R26 and RR27.

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- 1.24 In Schedule 8 'Rural Smallholding Zones', modify the permissibility of uses (where currently not permitted – 'X') to permit 'Ancillary Accommodation' as a 'D' (discretionary) use in RSH1.
- 1.25 In Schedule 8 'Rural Smallholding Zones', modify the permissibility of uses (where currently not permitted – 'X') to permit 'Family Day Care' as an 'A' (discretionary, subject to advertising) in RSH1.
- 1.26 Under Part 5 (Special Control Areas), insert the following text under clause 5.1.1: -
- “8. SCA8 – Structure Plan Areas”
- 1.27 Under Part 5 (Special Control Areas), insert the following special control area provisions: -

5.9 Structure Plan Areas (SCA8)

5.9.1 Structure Plan Areas are shown on the Scheme Map as SCA8 with a number. A Schedule of these areas is set out in Schedule 10.

5.9.2 For the purpose of clause 5.9, unless the context otherwise requires;

“Proponent” means any owner or owners of land to which the Proposed Structure Plan relates that has or have submitted that Proposed Structure Plan.

“Proposed Structure Plan” means a Structure Plan which may apply to either a local area or a district that has been prepared in accordance with clause Part 4 of the deemed provisions.

“Structure Plan” means a proposed Structure Plan that has been approved by the Commission under clause 22(a) of the deemed provisions.

5.9.3 Purpose

The purpose of Structure Plan Areas Special Control Area is to:-

- (a) To identify areas requiring comprehensive structure planning prior to subdivision and development; and
- (b) To coordinate subdivision, land use and development in areas requiring comprehensive planning.

5.9.4 Planning requirements

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- a) The local government requires a Structure Plan for a Structure Plan Area, or for any part or parts of a Structure Plan Area, before recommending subdivision or approving development of land within the Structure Plan Area.
- b) The local government may require a Structure Plan to be prepared for any land not within a Structure Plan Area where it can be demonstrated that the land requires substantial pre-planning before decisions are made with respect to its use, subdivision or development and the provisions of the foregoing clauses shall apply as relevant to the preparation of any such plan.
- c) Notwithstanding clause 5.9.4 a), the local government may approve a development or support a subdivision of the land in a manner that is consistent with the objectives of the underlying zone without requiring such a Structure Plan where, in its opinion, the proposal is of a minor nature, will not adversely affect the future subdivision or development of the land and where it can be demonstrated that it does not conflict with the future land use expectation of the Structure Plan Area.
- d) Where a Structure Plan exists, the subdivision and development of land is to generally be in accordance with the Structure Plan and any associated provisions contained in Schedule 10.
- e) The Commission may, as a condition of adopting or approving a Proposed Structure Plan, require a more detailed Structure Plan in future if the local government or the Commission considers that it will be necessary to provide additional detail to the proposals contained in the Proposed Structure Plans.
- f) Schedule 10 describes the Structure Plan Area in more detail and sets out the land use expectations, matters to be addressed and associated provisions for Structure Plans.

**5.9.5 Preparation of Structure Plans**

- a) A Structure Plan must be prepared in a manner and form approved by the Commission in accordance with the provisions of clause 16 of the deemed provisions.
- b) A Structure Plan may with the agreement of the Commission after consultation with the local government, be prepared and implemented in stages.

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**5.9.6 Operation of Structure Plan**

- a) A Structure Plan commences operation on the date it is adopted by the Commission.
- b) A Structure Plan may distinguish between the provisions, requirements or standards which are intended to have affect as if included in the scheme, and any provisions, requirements which are only for guidance or such other purposes as stipulated in the Structure Plan.

- 1.28 In Table 1: Zoning Table, reclassify the use class 'Caretaker's Dwelling' in the 'General Industry' zone from 'X' to 'D'.
- 1.29 Modify the Scheme Map by reclassifying Lot 881 Yilgarn Avenue, Malabaine from 'Rural' zone to 'Light and Service Industry' zone.
- 1.30 Modify the Scheme Map in respect of 309 Refractory Road, Bakers Hill (consisting of Lots 101, 103, 106, 204, 205, 206 and 207) to reflect the zoning of the land as 'Rural Smallholding'.
- 1.31 Under Schedule 7 (Rural Residential Zones), remove "RR28" and its associated conditions and insert under Schedule 8 (Rural Smallholding Zones) as follows:

**SCHEDULE 8 — RURAL SMALLHOLDING ZONES**

No.	Description of Land	Conditions
RSH4.	Loc 10583 (309) Refractory Road, Bakers Hill	<p>1. Stormwater drainage shall be controlled through appropriate drainage systems to avoid erosion and discharge while maintaining natural flow of discharge at pre-development levels and shall be to the satisfaction and specifications of the local government. The storm automation system should be designed in accordance with the guidelines contained within the 'Stormwater Management Manual of WA' (Department of Water 2004).</p> <p>2. The permissibility of uses shall be -                      (a) Dwelling (Single) (P)                      (b) Home Occupation (P)</p>

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		<p>(c) <i>Agriculture Extensive (P)</i> (d) <i>Animal establishment (A)</i> (e) <i>Caretakers Dwelling (D)</i> (f) <i>Home Office (P)</i> (g) <i>Rural Pursuit (P) - Must comply with Environmental Management Plan.</i> (h) <i>All other uses that comply with the Local Planning Scheme in force at the time of any application with the exception of the following uses —</i></p> <ul style="list-style-type: none"><li><i>o Dog Kennels</i></li><li><i>o Animal Husbandry - Intensive.</i></li></ul> <p>3. <i>Landscape buffers are to be provided and maintained along Chitty Road to preserve the rural amenity to the satisfaction of the local government.</i></p> <p>4. <i>Lot sizes should be a minimum of 4 hectares.</i></p>
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**ADOPTION**

Adopted with modifications by resolution of the Council of the Shire of Northam at the Ordinary Meeting of Council held on the **16<sup>th</sup>** day of **November 2016**.

.....  
SHIRE PRESIDENT

.....  
CHIEF EXECUTIVE OFFICER

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**FINAL APPROVAL**

Adopted with modifications for Final Approval by resolution of the Council of the Shire of Northam at the Meeting of the Council held on the **16<sup>th</sup>** day of **November 2016**.

.....  
SHIRE PRESIDENT

.....  
CHIEF EXECUTIVE OFFICER

Recommended/Submitted for Approval

.....  
DELEGATED UNDER S.16 OF  
THE PD ACT 2005

DATE.....

Approval Granted

.....  
MINISTER FOR PLANNING

DATE.....

## Attachment 2

*Shire of Northam Local Planning Scheme No.6*  
Local Planning Scheme No. 6 – Scheme Amendment No. 6 (Omnibus Amendment)  
**Schedule of Submissions**

No	Date Received	Name & Address	& Address of Affected Property	Summary of Submission	Local Government Recommendations	Comments &
1	16/02/2017	Department Environment Regulation	of Subject site	No comment.	Noted.	
2	1/03/2017	Department Mines and Petroleum	of Subject site	No comment.	Noted.	
3	27/02/2017	Department Water	of Subject site	No comment.	Noted.	
4	14/02/2017	Telstra Corporation	Subject site	No comment.	Noted.	
5	10/02/2017	Water Corporation	Subject site	The Corporation has no concerns with the text amendments and anomalies, which will be corrected by the amendment.	Noted.	
				Proposal 28 proposes to rezone land to the east of the townsite for light industrial development. Water and wastewater services are currently not available to the land and the Corporation has not conducted any infrastructure planning for this area.	Noted. The Shire is aware that infrastructure services are currently unavailable to Lot 881. It is considered this matter will receive further attention at the structure planning stage.	
				In view of the distance from the town's sewerage network it is impractical and unlikely to be feasible for the developers of this land to fund installation of a sewerage network.	Noted.	
				The nearest water reticulation mains near the racecourse are undersized (58mm diameter), provide a limited service to the racecourse and nearby farmlands customers and are not designed to serve land to the east of the highway.	Noted.	

No	Date Received	Name & Address	& Address Affected Property	of	Summary of Submission	Local Recommendations	Government	Comments	&
					<p>The nearest major water main of 300mm diameter is located within the townsite at the intersection of Old York Road and Chidlow Street, approximately 4.3km away from the subject land. If water services are required for the future subdivision and development of the subject land, then the developers will be required to fund the extension of new, suitably-sized water reticulation mains from the town system heading east along a suitable road reserve route, most likely along Old York Road, and Great Eastern Highway.</p>	Noted.			
					<p>In 2013, in response to then proposals for light industrial development in the town's 'Eastern Precinct' as identified in the Supertowns Regional Centres Development Plan and the Shire's Industrial Business Case, the Water Corporation undertook a desk-top analysis to determine the required water infrastructure upgrades. In order to service the then proposed Eastern Industrial Precinct near the racecourse (see attached plan) several kilometres of water reticulation pipes would need to be installed at the developers' cost and other mains upgraded. The Water Corporation is not funded to undertake these works.</p>	Noted.			
					<p>In order to service the subject land, which is located further to the east, additional reticulation mains extensions would be required, nominally of 150mm diameter in order to meet firefighting requirements associated with light industrial development. Further planning will be required to confirm the size of water mains and preferred means of servicing this land.</p>	Noted.			
					<p>It is recommended the Shire or the development proponents engage a suitably qualified engineer to investigate the servicing requirements associated with the future development of this land.</p>	Noted.			
									<p><b>Officer Recommendation:</b> Modification of Amendment Document not required.</p>

No	Date Received	Name & Address	Address Affected Property	of	Summary of Submission	Local Recommendations	Government	Comments	&
6	8/02/2017	Western Power	Subject site		<p>A Danger Zone, Registered Easement, Restriction Zone or Minimum approach distance represent areas of high risk when building or working near the Western Power network.</p> <p>Before commencing any work it is essential that you complete a <i>Dial Before You Dig</i> enquiry to obtain the location and voltage of the Western Power network.</p> <p>Areas of high risk include;</p> <ul style="list-style-type: none"> <li>• <b>Danger Zone</b> – Defined by regulation 3.64 of the <i>Occupational Safety and Health Regulations 1996</i></li> <li>• <b>Registered Easement</b> - Western Power easements are registered on the Certificate of Title for the property. Easements and conditions are available from Landgate</li> <li>• <b>Restriction Zone</b> – These are applied in the absence of a registered easement and are calculated in line with the Australian Standard for overhead line design (<i>AS/NZS 7000:2010</i>)</li> <li>• <b>Minimum approach distance</b> – These are applied to underground cables and can be found in the <i>Working safely around the Western Power network</i> handbook that is available on the Western Power website</li> </ul> <p>It is recommended that persons planning to build or undertake works in high risk areas near <i>transmission or communication</i> assets (including those listed above) act in a safe manner at all times and in accordance with all applicable legal and safety requirements (including the 'duty of care' under the laws of negligence, Worksafe requirements and guidelines, Australian Standards and Western Power policies and procedures).</p> <p>Western Power provides services that may assist persons planning to build or work within high risk areas near <i>transmission or communication</i> assets (refer to your <i>Dial Before You Dig</i> enquiry for location and voltage).</p>	Noted. General information and advice only.			
								<b>Officer Recommendation:</b>	<b>Modification of Amendment Document not required.</b>



No	Date Received	Name & Address	& Address Affected Property	of	Summary of Submission	Local Government Recommendations	Comments &
					These services can be found by visiting the <i>Transmission and communication assets</i> section of the Western Power website		
7 8	16/03/2017	Tourism WA Northam Race Club	Subject site 175 Yilgam Avenue, Northam		<p>No comment.</p> <ul style="list-style-type: none"> <li>• Advises that the Northam Race Club has invested considerable funds into the planning of their own rezoning for residential expansion.</li> <li>• Advises that the Race Club's ability to rezone their own land will be reduced if Lot 881 was to be rezoned to Light and Service Industry.</li> </ul>	<p>Noted.</p> <p>Noted. Currently, the Northam Race Club (affected land) is reserved for Recreation purposes under LPS 6.</p> <p>The affected land has been shown part Public Purposes and part Future Mixed Use Development (residential/equestrian) in the Shire's Local Planning Strategy.</p> <p>The current annotation on the Local Planning Strategy map will serve as a 'bookend' development on Yilgam Avenue.</p> <p>The Shire acknowledges that there is potential for land use conflict. However, the Shire believes that this can be managed during the formal structure planning process for Lot 881. It can be managed by providing appropriate setbacks given that a portion of the affected land has been earmarked for future mixed use development.</p> <p>While the affected land has been earmarked for future mixed use development, the Shire has not received a formal proposal to develop the land.</p> <p>Shire Staff are of the opinion that setbacks to sensitive uses can be managed and the Shire will have due regard when the structure plan for Lot 881 is formulated.</p> <p>It is recommended that the part of Lot 881 that is depicted for future mixed use development be retained as Rural land until such time the Shire wishes to progress a proposal consistent with the Local Planning Strategy.</p>	

No	Date Received	Name & Address	& Address Affected Property	of	Summary of Submission	Local Recommendations	Government	Comments	&
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**Officer Recommendation:** Modification of Amendment Document not required.

9	13/04/2017	Department of Agriculture and Food	Subject Site		DAFWA supports: <ul style="list-style-type: none"> <li>The view in the amendment report that the proposed amendments “does not result in any significant environmental, social, economic or</li> </ul>			Noted. Supporting comments only.	
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No	Date Received	Name & Address	& Address Affected Property	of	Summary of Submission	Local Recommendations	Government	Comments	&
					governance impacts on land in the scheme area.”				
					<ul style="list-style-type: none"> <li>The ‘rezoning of Lot 881 Yilgarn Avenue, Malabine from ‘Rural’ to ‘Light and Service Industry’ as this lot, located within the town boundary, was identified in the Local Planning Strategy 2011 for future rezoning.</li> <li>The rezoning o 309 Refractory Road, Bakers Hill from Rural to Rural Smallholding to reflect the existing size of the lots.</li> </ul>				
10	12/04/2017	Main Roads WA	Subject site		<ul style="list-style-type: none"> <li>Main Roads has determined that the proposed scheme amendment will not have an adverse impact on the MRWA network and therefore advises no objection to the proposal.</li> </ul>				<p><b>Officer Recommendation: Modification of Amendment Document not required.</b></p> <p>Noted.</p>
11	24/03/2017	Department of Fire and Emergency Services	Subject site		<p>Proposal 17</p> <p>Some of these clauses may be superfluous, or repeat the requirements of the Guidelines or SPP 3.7. It is recommended the Shire liaise with the Department of planning to understand if some of the advice/intent of these clauses can be replaced with standard model scheme text referring to SPP3.7.</p> <p>Clause</p> <p>Comment</p> <p>Throughout the proposal change “Fire Management Plan” to “Bushfire Management Plan”</p> <p>This is in keeping with updated terminology of SPP 3.7</p> <p>4.35.1 “... when assessing any request for rezoning, structure plan, or application for subdivision or development approval,...”</p> <p>Suggest the inclusion of subdivision in applications to allow the Shire to consider bushfire risk as per SPP 3.7 for all types of applications.</p>				<p>Noted. Minor formatting change only.</p> <p>Noted. The subject site will be structure planned with no further future subdivision by individual land owners permitted.</p>



No	Date Received	Name & Address	& Address Affected Property	of	Summary of Submission	Local Recommendations	Government	Comments	&
					4.35.1 "... (i) State Planning Policy 3.7 Planning in Bushfire Prone Areas (as amended),..."	Noted.			
					Change the SPP wording to correct title and numbering.	Noted.			
					4.35.3 The Map of Bush Fire Prone Areas is available on the Department of Fire and Emergency Services' website <a href="http://www.dfes.wa.gov.au/bushfireproneareas">www.dfes.wa.gov.au/bushfireproneareas</a> < <a href="http://www.dfes.wa.gov.au/bushfireproneareas">http://www.dfes.wa.gov.au/bushfireproneareas</a> > using the Shared Location Information Platform (SLIP) managed by Landgate.				
					Maybe refer to the DFES website as per the Guidelines to ensure the most accurate map is communicated to landowners.				
					4.35.5 & 4.35.6 relates to powers that affect the determination of the Map of Bush Fire Prone Areas which sits with the Office of Bushfire Risk Management (OBRM) and not the local government.	Noted. Advice only.			
					Any inconsistencies between the Map Bush Fire Prone Areas and local government bushfire mapping must be identified to the Office of Bushfire Risk Management by local governments for consideration in their annual map review as per the review procedures outlined in the mapping Standard for Bush Fire Prone Areas (OBRM 2015, as amended).				
					We recommend these clauses be removed or amended to ensure OBRM is referred to when considering the Map of Bush Fire Prone Areas.				
					Proposal 28				
					The proposal is located within an area that has been designated as a 'bushfire prone area' by the Fire and Emergency Services Commissioner pursuant to the	Noted. A BAL contour map will be prepared at the time in which the structure plan will be prepared for this			

No	Date Received	Name & Address	& Address Affected Property	of	Summary of Submission	Local Recommendations	Government	Comments	&
					<p>Fire and Emergency Services Act 1998. In accordance with the requirements SPP 3.7, any strategic proposal within a bushfire prone area is to be accompanied by:</p> <p>a)</p> <p>(i) the results of a BHL assessment determining the applicable hazard level across the subject land, in accordance with the methodology set out in the Guidelines. BHL assessments should be prepared by an accredited Bushfire Planning Practitioner; or</p> <p>(ii) where the lot layout of the proposal is known a BAL Contour Map to determine the indicative acceptable BAL ratings across the subject site, in accordance with the Guidelines. BAL Contour Maps should be prepared by an accredited Bushfire Planning Practitioner.</p> <p>b) the identification of any bushfire hazard issues arising from the relevant assessment; and</p> <p>c) clear demonstration that compliance with the bushfire protection criteria in the Guidelines can be achieved in subsequent planning stages. This information can be provided in the form of a Bushfire Management Plan or an amended Bushfire Management Plan where one has been previously endorsed.</p> <p>The proposed land use will also need to demonstrate compliance to Policy Measure 6.6 - Vulnerable or High-risk land uses of SPP 3.7.</p> <p>Given the proposal has the potential to increase the threat of bushfire to people, property and infrastructure, it is considered that it should not be supported until such time that the bushfire risk and hazard reduction measures are established and understood. DFES recommends that this proposal within the omnibus scheme amendment be deferred to allow the</p>	<p>site. This scheme amendment does not include the subdivision of the site, it is purely the rezoning of the site.</p> <p>Noted. See below comment.</p> <p>Noted. A BAL contour map will be formulated by an accredited Bushfire consultant at the time in which the structure plan for the subject site is formulated.</p> <p>Noted. Any risks will be identified as part of the report associated with the BAL contour map.</p> <p>Noted. This will be demonstrated in the BAL contour map and associated report at the time in which the structure plan is formulated.</p> <p>Noted. Advice only.</p> <p>Noted. This scheme amendment does not change the current situation of the land as no subdivision is proposed. This scheme amendment is to rezone the subject site from Rural to Light and Service Industry ONLY. Subdivision of the site will take place in the</p>			

No	Date Received	Name & Address	& Address Affected Property	of	Summary of Submission	Local Government Recommendations	Comments	&
					proponent to submit the required information in accordance with SPP 3.7 and the Guidelines. Alternatively, it should be removed from the omnibus and initiated separately.	future once a structure plan for the site has been formulated. Part of the structure plan will be determining the bushfire risk of the proposed lots and therefore obtaining a BAL contour map is required.		
							<b>Officer Recommendation:</b> Modification of Amendment Document not required.	

- END OF SCHEDULE OF SUBMISSIONS -



### 12.3.4 Multiple Cat Application 33 Goomalling Road, Northam

<b>Address:</b>	33 Goomalling Road, Northam
<b>Owner:</b>	J Ridsdale
<b>File Reference:</b>	A10088
<b>Reporting Officer:</b>	Kellee Walters Senior Ranger
<b>Responsible Officer:</b>	Chadd Hunt Executive Manager Development Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

An application to keep more than the prescribed number of cats for a property located at 33 Goomalling Road, Northam. Council is required to make a determination on the application in accordance with Council's Cat Local Law 2008.

#### ATTACHMENTS

Attachment 1: Location map.

Attachment 2: Schedule of Submissions.

---

#### BACKGROUND / DETAILS

In 2017 the Shire of Northam received a multiple cat application from the owner of 33 Goomalling Road, Northam. The applicant is seeking to keep a total of four (4) cats on a 0.0850 hectare property zoned as Residential R15. Council's Local Laws require the immediate adjoining neighbours to be advised of the application to establish if they have any objections.

The 4 cats in the application comprise of:

- Domestic Short Hair (F) 12 years
- Domestic Medium Hair (F) 13 years
- Domestic Short Hair (M) 8 years
- Domestic Short Hair (M) 8 years

#### CONSIDERATIONS

##### **Strategic Community / Corporate Business Plan**

Objective C1: Create an environment that provides for a caring and healthy community.

Strategy C1.1: Provide quality regulatory services.

## Financial / Resource Implications

Nil.

## Legislative Compliance

### Cat Act 2011, Division 2

#### 79. Local laws

- (1) A local government may make local laws prescribing all matters that are required or permitted to be prescribed by a local law, or are necessary or convenient to be so prescribed, for it to perform any of its functions under this Act.
- (2) A local law made under this Act does not apply outside the local government's district unless it is made to apply outside the district under section 80.
- (3) Without limiting subsection (1), a local law may be made as to one or more of the following—
  - (h) limiting the number of cats that may be kept at premises, or premises of a particular type;

### Shire of Northam –Keeping and Control of Cats Local Law 2008

#### 3.2 Cats for which permit is required

- (1) Subject to subclause (2) a person shall not keep 3 or more cats on any premises except in accordance with a valid permit;
- (2) A permit is not required under subclause (1) if the premises concerned are:-
  - (a) a refuge of the RSPCA or any other animal welfare organisation;
  - (b) an animal pound which has been approved by the local government;
  - (c) a veterinary surgery;
  - (d) a pet shop;
  - (e) an approved cattery; or
  - (f) a premises with 2 or less cats.

An exemption under s79 3 (h) of the *Cat Act 2011* to keep more than the number of cats prescribed in the **Shire of Northam Keeping and Control of Cats Local Law 2008** is to be in accordance with the following conditions:

#### 3.7 Conditions

- (1) Every permit is issued subject to the following conditions -
  - (a) each cat kept on the premises to which the permit relates shall be an identified cat;
  - (b) each cat shall be contained on the premises unless under the control of a person;
  - (c) the premises shall be maintained in good order and in a clean and sanitary condition; and
  - (d) the permit holder shall not substitute or replace any cat once that cat:-
    - (i) dies; or
    - (ii) is permanently removed from the premises,

without first obtaining the consent of the local government and if that consent is obtained, the new cat shall be subject to the terms and conditions of the permit.

### **Stakeholder Engagement / Consultation**

Due to the property location and surrounding properties a total of 17 notification letters were sent with two (2) responses received.

Both cite environment and bird life as reasons to not approve application, however there are approximately 30 cats already registered in the surrounding area. Neither of the objectors have documented any adverse comments that the current cat population is causing a detriment to the existing environment and bird life.

Evidence since application has been submitted until the present indicates that there are no issues.

### **Risk Implications**

#### 3.5 Factors relevant to determination of application

- (1) In determining an application for a permit the local government may have regard to -
  - (a) the physical suitability of the premises for the proposed use;
  - (b) suitability of the zoning of the premises under any scheme which applies to the premises for the use;
  - (c) the structural suitability of any enclosure in which any cat is to be kept;
  - (d) the likelihood of a cat causing a nuisance, inconvenience or annoyance to the occupiers of adjoining land;
  - (e) the likely effect on the amenity of the surrounding area of the proposed use;
  - (f) the likely effect on the local environment, including any pollution or other environment damage which may be caused by the use;
  - (g) any submissions received under subclause (2) within the time specified in subclause (2); and
  - (h) such other factors which the local government may consider to be relevant in the circumstances of the particular case.
- (2) The local government may require an applicant to:-
  - (a) consult with adjoining landowners; and
  - (b) advise the adjoining landowners that they may make submissions to the local government on the application for the permit within 14 days of receiving that advice, before determining the application for the permit.

Ranger Services, to date have not received any complaints regarding any nuisance behaviour or wandering of the cats.

On past evidence no risk implications can be identified in this instance.

### **OFFICER'S COMMENT**

There have been no breaches of legislation or local laws recorded against this property or these cats to this date.

In support of the application staff advise that:

- The applicant has all four (4) cats registered, sterilised and micro chipped.
- There are no recorded breaches of the Cat Act against these cats or this property.
- The four 4 cats have been at the residence without complaint for several months, awaiting application outcome. The applicant is compliant with the Cat Act 1979 and Shire of Northam Local Cat Laws.

Given the above information Council Officers support the application.

### **RECOMMENDATION**

**That Council approve a multiple cat application for J Ridsdale for four (4) cats at 33 Goomalling Road, Northam pursuant to the following conditions:**

- (a) each cat kept on the premises to which the permit relates shall be an identified cat;**
- (b) each cat shall be contained on the premises unless under the control of a person;**
- (c) the premises shall be maintained in good order and in a clean and sanitary condition; and**
- (d) the permit holder shall not substitute or replace any cat once that cat:-**
  - (i) dies; or**
  - (ii) is permanently removed from the premises, without first obtaining the consent of the local government and if that consent is obtained, the new cat shall be subject to the terms and conditions of the permit.**
- (e) this permit commences on the date of issue and is valid unless and until:-**
  - (i) it is revoked; or**
  - (ii) the permit holder ceases to reside at the premises to which the permit relates.**
- (f) Compliance with the requirements of the Cat Act 2011, Regulations and the Shire of Northam Keeping and Control of Cats Local Law.**

**Attachment 1**



**Application for Multiple Cats  
No.33 Goomalling Road, Northam**

**A10088**



**Attachment 2**

Shire of Northam Multiple Cat Policy ( Cats Local Law 2008-Part 3)

33 Goomalling Road, Northam

Multiple Cat Policy A 8.4

Schedule of Submissions

Number	Name	Summary of Submissions	Key Themes Identified in Submission	Officers Comment
1	Gillian and Peter Beazley  Adjoining corner property owners	Keen gardener who likes to enjoy the bird life attracted by bush's and tree's.  Would be detrimental to our environment	Eg. Traffic, Pedestrian Safety, Noise etc.  Natural bird life	Currently 14 cats are registered in and around the immediate area of this objectors property  18 in residence counting the 4 applicants cats
2	S Malinowski  532 meters as the crow flies between property boundaries	Extra flora which is encouraging bird life  Would be detrimental to our environment	Natural bird life	Distance from property is approximately half a kilometre  Currently 14 cats are registered in the immediate area 500 metres from the objectors fence line. These are not the same cats as listed above

### 12.3.5 Endorsement of Old Quarry Waste Management Facility Plan

<b>Address:</b>	Reserve 26840, Old Quarry Road, Northam
<b>Owner:</b>	Shire of Northam
<b>File Reference:</b>	4.1.1.4
<b>Reporting Officer:</b>	Carmen Sadleir EHO/ Waste Management Coordinator
<b>Responsible Officer:</b>	Chadd Hunt Executive Manager Development Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

Council is requested to endorse the final version of the Old Quarry Road Waste Management Facility Management Plan (2017) which is a guide to the long term management of the site.

#### ATTACHMENTS

Attachment 1: Shire of Northam Old Quarry Road Waste Management Facility Plan.

#### BACKGROUND / DETAILS

As part of the Shire's strategic approach to waste management, the Old Quarry Road Waste Management Facility has a management plan to guide the development of the site.

The previous Old Quarry Road Waste Management Facility Plan was developed by Ian Watkins of IW Projects Pty Ltd in 2008. The plan covered an estimated life expectancy of the landfill based on estimated incoming waste volumes and general development and management of the site.

Due to the previous plan being over eight (8) years old and more accurate waste acceptance data becoming available, it was determined that the plan needed to be reviewed and updated. A request for quotations was sought from various waste management consultants and the development of the new plan was awarded and undertaken again by Ian Watkins from IW Projects Pty Ltd.

#### CONSIDERATIONS

##### **Strategic Community / Corporate Business Plan**

Objective N1: Mitigate the Shire of Northam's carbon footprint, reducing waste and greenhouse gas production

Strategy N1.1: Manage waste disposal in an environmentally sensitive manner that meets the needs of a growing population.

Strategy N1.2 Increase community awareness of the impact of waste issues on the environment.

Strategy N1.3: Encourage the use of recycled materials and create a Towards Zero Waste culture amongst the community.

### **Financial / Resource Implications**

The Old Quarry Road Waste Management Facility Plan (2017) contains a number of actions which have direct financial implications.

The items in the management plan that are operational in nature and that have financial implications are considered to be a necessity to manage the site in accordance with the site's licence conditions. It is proposed that these matters be adopted as part of the annual operating budget for the site.

The Plan also recommends some additional works which would improve the operation of the facility but are not deemed operational (e.g. the proposed improvements to the recycling area and development of a tip shop) which will require additional reporting and endorsement by Council prior to implementation.

The Plan also highlights the fact that there will be a significant cost in both undertaking the final remediation of the facility and ongoing post-closure monitoring following the decommissioning of the facility. In addition, given that the life of the current facility is proposed to be 15 years, consideration needs to be given to future planning for waste disposal post-closure of the site.

### **Legislative Compliance**

The Shire of Northam is required to manage the Old Quarry Road Waste Management site in accordance with the *Environmental Protection Act 1986* and relevant regulations.

The landfill activities on the site are undertaken in accordance with the Department of Environment Regulation's issued licence L6977/1997/10. The licence for the site has the following licence categories:

- Category 64 Class 2 Putrescible Landfill Site (more than 5000T but not more than 50,000T per annum);
- Category 62 Solid Waste Depot (more than 500T but not more than 5000T per annum);
- Category 61 Liquid Waste Facility (more than 100 but not more than 10,000).

### **Policy Implications**

The Shire of Northam has adopted the Strategic Waste Minimisation Plan prepared for the Avon Regional Organisation of Council (AROC) which sets

forth the proposed activities for waste management with the Shire for the future. These include but are not limited to the following –

- Improve systems for the collection and recording of waste management data;
- Investigate and implement improvements to existing recycling systems;
- Improve/implement Hazardous Household Waste drop off facilities;
- Review of disposal facility gate fee structure;
- Extraction of recyclables from landfill and transfer station tipping area;
- Improve compliance with landfill Registration and licence conditions;
- Improve landfill planning and overall management;
- Increase opportunities for recycling drop off;
- Greenwaste diversion from landfill; and,
- Develop/improve tip shop facilities.

### **Stake Holder Engagement / Consultation**

No Council or public consultation has been undertaken in relation to the recommendations of this report.

### **Risk Implications**

Potential risks for the Shire of Northam could include the risk of prosecution by the DER or termination of the site licence should non compliances occur.

Also inadequate management and forward planning of the site could result in environmental harm to the site and liability to the Shire of Northam.

### **OFFICER'S COMMENT**

The Old Quarry Road Waste Management Plan (2017) is an essential tool in the strategic management of the site. The plan focuses on the final profile form of the landfill and includes a seven (7) year implementation schedule with key activities.

Council is advised that the Bushfire Advisory Committee and Council has previously endorsed the Fire Management Plan at its Ordinary Council meeting held on 19<sup>th</sup> April 2017 and therefore has not been included as an appendix to the Management Plan.

The key activities are pivotal in developing the site correctly in accordance with the *Environmental Protection Act 1986*, *Environmental Protection Regulations 1987* and its site licence conditions, minimising environmental risk for the Shire of Northam.

It is recommended by staff that Council consider allocating resources in the 2017-18 Budget to commence detailed investigation for the development of

an improved recycling area, including the potential development of a tip shop (Refer to Item 7 in Year 2 of the implementation strategy)

**RECOMMENDATION**

**That Council;**

- 1. Endorse the attached Old Quarry Road Waste Management Facility Plan 2016 prepared by IW Projects Pty Ltd; and**
- 2. Request the Chief Executive Officer to investigate the costs associated with improving the recycling area (including the potential of a tip shop) and include this figure for consideration within the 2017-18 Budget.**

Attachment 1



# SHIRE OF NORTHAM

## OLD QUARRY ROAD WASTE MANAGEMENT FACILITY

### FACILITY MANAGEMENT PLAN



Old Quarry Road Site Entrances – Weighbridge and Gatehouse

Prepared for

SHIRE OF NORTHAM

IW Projects Pty Ltd  
6 Anembo Close, DUNCRAIG, WA 6023  
Mobile: 0402 909 291 email: [iwatkins@iwprojects.com.au](mailto:iwatkins@iwprojects.com.au)

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Date of Issue: 4 Apr 2017

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## Executive Summary

In June 2008, the Shire of Northam (the Shire) developed a Facility Management Plan for the Old Quarry Road Waste Management (*IW Projects June 2008*). As part of its program of continuous improvement and increased environmental awareness, the Shire has reviewed the original Facility Management Plan and updated it to reflect how the facility has developed in the past eight years, to take into consideration changes in waste management practices and to develop a sound plan for the progressive development of the facility over the next seven years.

The Old Quarry Road landfill is a licensed facility under the *Environmental Protection Act 1986* (Licence No. L6977/1997/10) and as such the facility is to be managed in accordance with the conditions set out in the operating licence.

The facility is managed under contract and is permanently staffed during operating hours, with all waste types being disposed of in a single tipping area, the exception being asbestos, clinical waste and inert material, which is placed in the lower portion of the landfill.

There are currently limited recycling activities on site, mainly concentrating around scrap metals, used vehicle tyres, engine oil, car batteries, e-waste and comingled recyclables. In addition, greenwaste is separated from the incoming waste stream and mulched for use in landscaping applications.

From the material quantity data collected on site, it is estimated that there is 17,181 tonnes of waste landfilled, 3,000 tonnes of cover material received, 1,691 tonnes of material diverted from landfill and 2,851 t of liquid waste. This equates to approximately 24,723 tonnes of material received on site annually; however, only 17,181 tonnes ends up in landfill.

Currently there is some limited recycling occurring on site. The Contractor retains the rights for all recycling activities including the revenue received from the sale of recyclables; this typically includes scrap metal and lead acid batteries. The Shire covers the cost of disposing or processing of non-revenue generating recyclable materials; this typically includes comingled recyclables, e-waste, mulching greenwaste, tyres and used oil.

The overall concept for the future development of the site is to optimise the available landfill capacity and increase the quantity and range of materials recycling. The intention being to landfill all available area within the existing valley line up to the liquid waste ponds and to increase the height of the waste mass in order to achieve an acceptable final gradient to ensure that stormwater can be adequately shed off the capped surface while not being overly visible from surrounding areas.

Based on the proposed landfilling footprint and design waste profile, the site has reasonable available future lifespan, anticipated to be in the order of approximately 15 years.

The proposed final profile for the landfill is to fill in the valley extending from the existing landfill up to approximately 30 m from the liquid waste pond area at the top of the valley. The top of the landfill will be domed so that surface water runs off the waste mass in a lateral direction (not longitudinal) towards stormwater drains running parallel to the valley line along the edge of the landfill.

If the Shire wishes to further proceed in the direction of increased recycling and reduced waste to landfill, then the Shire will need to cover the costs associated with the increased recycling activities. The costs associated with the vast majority of recycling activities are not covered by the revenue received from the sale of the recycled products (infrastructure, additional staffing, separation and handling costs, high transport costs, low/no revenue); consequently, to proceed in the direction of increased recycling and reduced waste to landfill the Shire needs to be committed to the cause and cover the costs associated with increased recycling activities.

In order to improve recycling opportunities on site, it is recommended that a more formal, dedicated recycling area near the entrance to the site be developed and the range of recyclable options increased in comparison to current recycling activities. This should be the area within which residential and small commercial customers are encouraged to drop off all recyclable materials. There is also the option to have dedicated bulk metal, greenwaste and general waste drop-off areas within the site entrance infrastructure and the site operator then transfers the materials to the relevant areas on site. When determining the need for this transfer operation, the benefit of restricting public access to the remainder of the site needs to be weighed up against the additional effort on behalf of the site operator to transfer the bulk metal, greenwaste and/or general waste within the site.

Improved recycling is a combination of improving the performance of existing recycling systems to increase the quantity of materials be recycled, as well as implementing new recycling options to increase the range of materials being recycled. Both of these outcomes increase the quantity of materials being diverted from landfill.

Current landfilled waste tonnages are estimated to be in the order of 17,200 tonnes per year. This will increase to approximately 30,000 tonnes over the next 20 years (2028/2029), which averages out at approximately 23,500 tonnes per year. Based on an anticipated waste density of approximately 0.75 t/m<sup>3</sup>, this equates to approximately 31,300 m<sup>3</sup> of landfill airspace consumed annually over the next 20 years.

Based on the proposed final landform as a single domed shape over the full extent of the available site, it is calculated that there is approximately 480,000 m<sup>3</sup> of available airspace remaining on site. At current landfill annual tonnage and increasing at 2.9% per annum, the landfill should reach maximum capacity within approximately 15 years (2032).

With an anticipated 15 years of remaining landfill airspace on site, the Shire needs to be aware that a replacement landfill site may take up to five to seven years to identify, secure, approve and develop; hence, there is a need for significant forward planning in order to secure an alternative landfill site by the time the existing facility reaches maximum capacity. However, should the Shire opt to contract out the disposal of waste to another landfill facility, then provided that there are suitable available options, the forward planning component is less onerous.

The Shire has previously investigated the option of developing a landfill in the adjacent valley to the south east of the existing landfill. Should this occur, the ultimate closure of landfill activities on site may be delayed by many years; however, ultimately there will come a time when landfilling activities will cease and options for site after-use need to be considered. As a result of the semi-rural location and disturbed nature of the site; hence, relatively low land value, there is no incentive to spend excessive capital on developing the site for a specific high-value end use.

Due to the historical land use being waste management and the fact that should the landfill facility be closed down (reach maximum capacity), depending where the Shire landfill waste was to be sent to, there may be a need for the Shire to develop a local transfer station. If this were the case, then there is significant benefit in continuing to use this "brown field" site for waste management activities. The future as a waste management facility is to be determined by the future waste management needs of the community.

It is not proposed that any post-landfill closure infrastructure development occur directly on the capped landfill area. Therefore there are no specific after-use related requirements for the final capped profile. The ultimate final contours are a function of optimising available landfill airspace, ensuring a long-term sustainable capped profile over the waste and adequate control of surface water run-off.

The final result of the closure capping is to provide an environment that is long-term sustainable and that will not need resurfacing in the future. It is essential that the landfills be progressively capped as the waste reaches the final waste profile and the capping not be left to the end of the landfill life.

There is no evidence of any discernable volume of landfill gas being generated within the landfill waste mass, therefore the landfill capping system does not need to be specifically designed to accommodate landfill gas capture.

When progressively constructing the final cap, there is no need to attempt to compact the cap material other than what is achieved via the placement machinery tracking over the surface during the material placement and spreading operation. From a rehabilitation point of view greater vegetation survival and growth will be achieved if the soil is only lightly compacted.

With the landfill areas being closed in accordance with the design and intention of this plan, it is not anticipated that there will be any adverse environmental impacts emanating from the closed landfill.

Site monitoring is to be undertaken beyond the closure of the landfill to ensure that the closure measures adopted as part of this plan are providing an ongoing, sustainable environmental solution. However, should the monitoring identify a deficiency in the proposed closure methodology, then the methodology needs to be modified to suit the on-site conditions and implemented in the next tranche of closure works. With many years of closure work still to occur on the site, the landfill closure techniques can be perfected so that the resultant capping is long-term sustainable.

The closed landfill is not anticipated to have any adverse environmental or social impacts. For this reason the ongoing site monitoring is simply to determine the sustainability of the measures proposed in this plan.

It is anticipated that an active post-closure period of approximately five years will be sufficient to determine the effectiveness of the post-closure measures implemented. This will provide sufficient time for the landfill cap and stormwater system to stabilise, vegetation to establish on the cap surface and the landfill area to gradually be returned back to natural bush. Groundwater monitoring may be one aspect that requires to be monitored beyond five years, with the actual duration being a function of groundwater contamination levels and the environmental impact thereof.

With the landfill site being progressively closed the vast majority of closure monitoring will occur while other portions of the site are still being used for landfill activities. It will only be the last landfill portion that will be closed and capped post landfill operations; hence, only a relatively small area of the site would need monitoring beyond closure.

Once the landfill (or a portion on the landfill) has been closed, there will be a requirement to fund the ongoing monitoring and maintenance of the capped area. There is ample opportunity for the Shire to assess the actual progressive closure and post-closure monitoring costs during the active (revenue generating) stage of the landfill and hence be in a position to allocate adequate funds to cover the final closure and post-closure costs once the landfill ceases operating.

Data collection is an essential activity for the improved future management of the facility. As the Shire progresses towards increased recycling and reducing waste to landfill there will be a need to better understand the breakdown of material being received. The collection of data should be focused in a direction to provide valuable information on particular materials that have the potential to be recycled.

The Shire is to ensure that in future, there are sufficient funds allocated during the active life of the landfill to cover the closure and post-closure liabilities that are being accumulated. As environmental awareness increases, closure and post-closure requirements are only going to increase with time and hence the associated costs. An assessment of the financial implications of the closure, monitoring and maintenance requirements will be necessary in order to ensure that sufficient funds are budgeted to adequately finance the necessary activities.

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With the Shire's landfill anticipated to reach maximum capacity within 15 years, the Shire does not have a lot of time to ensure that the appropriate reserves are in place to adequately cover the anticipated final landfill closure and post-closure expenses. Hence, the Shire needs to ensure that the appropriate financial planning is in place to account for future anticipated closure and post-closure costs. If the Shire does not regularly reassess its future liabilities and adjust its reserves accordingly, there is a risk that future generations will have to source significant additional funds to cover the past shortfalls in reserves.

An implementation schedule has been provided, which lists activities and an associated timeline to be undertaken by the Shire over the following seven-year period to ensure that the Old Quarry Road Waste Management Facility is managed and operated to best practise and to optimise the facility utilisation.

In order for this Facility Management Plan to remain up-to-date with regards to current waste management initiatives and direction, it is necessary that this Plan be reviewed and updated on a regular basis.

## 1. Introduction

### 1.1. Purpose of this Management Plan

In June 2008, the Shire of Northam (the Shire) developed a Facility Management Plan for the Old Quarry Road Waste Management (*IW Projects June 2008*). As part of its program of continuous improvement and increased environmental awareness, the Shire has reviewed the original Facility Management Plan and updated it to reflect how the facility has developed in the past eight years, to take into consideration changes in waste management practices and to develop a sound plan for the progressive development of the facility over the next seven years.

The progressive development of the facility includes the future development of the landfill tipping areas, finishing off existing waste disposal areas, continuous capping of completed areas and developing improved recycling options for future staged implementation. The emphasis being on sustainable landfill management and improved recycling activities.

This Facility Management Plan provides details on how the Old Quarry Road Waste Management Facility is to continue to be developed and operated.

### 1.2. Background

The Northam Old Quarry Road Waste Management Facility has been used as a putrescible landfill since the late 1980's. The facility has been used for the disposal of mainly residential waste and minor quantities of commercial and industrial waste. The Shire of Northam has two operating landfill sites, the other being a smaller landfill located at Inkpen Road, Wundowie.

This Facility Management Plan only applies to the Old Quarry Road site and is not relevant to the Inkpen Road facility.

The Old Quarry Road landfill is a licensed facility under the *Environmental Protection Act 1986* (Licence No. L6977/1997/10) and as such the facility is to be managed in accordance with the conditions set out in the facility operating licence.

There are limited long-term historical records available of what type and quantity of waste has been disposed at the Old Quarry Road landfill; however, due to the demographics and commercial and industrial development in the surrounding area, it can be considered that the landfill has historically accepted small quantities of domestic, commercial and industrial waste.

It is anticipated that the vast majority of the waste disposed of consists of inert and putrescible waste. The most potentially hazardous waste in the region is used agricultural chemical drums from the surrounding agricultural activities. These are managed via an active DrumMuster program at the Old Quarry Road landfill.

Occasionally there are commercial loads of waste received from the Perth Metropolitan area; however, these are not regular deliveries and are only accepted under special arrangement with the Shire.

In 2004 a weighbridge was installed at the site and since then, accurate records of waste quantities and type have been maintained.



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The facility is managed under contract and is permanently staffed during operating hours. All waste types are disposed of in a single tipping area, with the exception of asbestos, clinical waste and inert material, which is placed in the lower portion of the landfill.

There are currently limited recycling activities on site, mainly concentrating around scrap metals, used vehicle tyres, engine oil, car batteries, e-waste and comingled recyclables. In addition, greenwaste is separated from the incoming waste stream and mulched for use in landscaping applications.

## 2. Future Direction

### 2.1. Waste Minimisation Strategy

#### 2.1.1. Overall Direction

Historically the Shire of Northam has traditionally landfilled the vast majority of waste generated within the Shire. There have only been limited recycling activities undertaken.

In March 2012, the Minister for the Environment launched the WA Waste Strategy: *Creating the Right Environment*.

The Strategy employs best practice and continuous improvement, along with target setting, as primary approaches to drive change. The Strategy builds on existing programs and initiatives such as the Regional Funding Program, Household Hazardous Waste Program, Data Program, Waste Awards, and grants programs as well as strategic partnerships, to achieve the desired outcomes.

The amount of waste being recovered in Western Australia has been increasing steadily for a number of years, and there is evidence that increases in the landfill levy have accelerated this trend. However, the State's performance when benchmarked against other mainland states is still poor and requires a significant boost if comparable outcomes are to be achieved by 2020. In order to achieve this, the key drivers that have shaped the strategies and targets in *Creating the Right Environment* include:

- Key Driver 1 - The need to lift the effectiveness of planning for long-term waste management at a State level.
- Key Driver 2 - Access to data and information to underpin the measurement of strategies and services.
- Key Driver 3 - Significant opportunities to improve performance on construction and demolition, and commercial and industrial waste recovery.
- Key Driver 4 - Consolidation and improvement in municipal waste collection and processing performance.
- Key Driver 5 - A desire to do better on packaging waste management, litter recovery and other problematic wastes.
- Key Driver 6 - Improved landfill practices and incentives to reduce waste to landfill.

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*Creating the Right Environment* has five strategic objectives within which strategies relating to knowledge, infrastructure and incentives have been developed to support a coordinated approach to changing the behaviour of individuals, groups and organisations:

- Strategy Objective 1 – Initiate and maintain long-term planning for waste and recycling processing, and enable access to suitably located land with buffers sufficient to cater for the State's waste management needs.
- Strategy Objective 2 - Enhance regulatory services to ensure consistent performance is achieved at landfills, transfer stations and processing facilities.
- Strategy Objective 3 - Develop best practice guidelines, measures and reporting frameworks and promote their adoption.
- Strategy Objective 4 - Use existing economic instruments to support the financial viability of actions that divert waste from landfill and recover it as a resource.
- Strategy Objective 5 - Communicate messages for behaviour change and promote its adoption, and acknowledge the success of individuals and organisations that act in accordance with the aims and principles in the Strategy and assist in its implementation.

Targets in the Strategy are based on ambitious but achievable improvements in current recovery rates. The targets are expressed as the proportion of waste recovered compared to that generated. Recovery targets for municipal solid waste in the Perth Metropolitan Region are 50% by 2015 (up from 36% in 2009/10) and 65% by 2020 and in major regional centres 30% by 2015 (up from 15% in 2009/10) and 50% by 2020. Statewide targets for the commercial and industrial sector are 55% by 2015 (up from 46% in 2009/10) and 70% by 2020. Construction and demolition waste State wide targets are 60% by 2015 (up from 29%) and 75% by 2020.

The implementation of the Strategy is supported by funding from the Waste Avoidance and Resource Recovery Account, and initiatives and actions funded under the Strategy are contained in the Waste Authority's annual Business Plans.

### 2.1.2. Impact on the Shire

The Waste Strategy is a Statewide strategy for improved waste management; hence, covers all regions within the State. As can be expected, the main concentration of focus is in those areas where the most waste is generated and consequently the implementation of the Strategy's initiatives will have the most impact. The focus areas are:

- The Perth Metropolitan Area.
- Major regional centres – Avon, Greater Bunbury, Albany, Geraldton, Kalgoorlie, Karratha, Peel and Busselton.
- All other areas within the State.

The Shire falls into the second focus area. The consequence of this is that there are *Municipal Solid Waste Sector Targets* that directly apply to the Shire (50% by 2020). Hence, the Strategy targets do pressurise the Shire into making change to its current level of recycling.

Although there are sector targets, there are no enforcement mechanisms to ensure that the various sectors achieve the strategic targets. Any changes made by the Shire are voluntary and based on a willingness to "do the right thing".

With the Shire being the main Local Government in the Avon Major Regional Centre, there will be a focus on the Shire to lead the way towards improved recycling and waste diversion from landfill. This focus will then position the Shire well for accessing Waste Authority funding for improved recycling and waste diversion activities.

Although the recycling targets are an important aspect of the overall Strategy, they are not the only aspect of the Strategy. As documented above, there are numerous Key Drivers and Strategic Objectives that set out a range of aspects of current waste management practice that the Waste Authority seeks to influence. Some of these Drivers and Objectives are relevant to the Shire and need to be considered in the Shire's future planning:

- *Key Driver 1 - The need to lift the effectiveness of planning for long-term waste management at a State level.* This Facility Management Plan sets out the Shire's long-term plans for the ongoing development of the Old Quarry Road Waste Management Facility to ensure the future available capacity of the site and hence develop an understanding of the medium and long-term waste management requirements within the Shire.
- *Key Driver 2 - Access to data and information to underpin the measurement of strategies and services.* In order to plan for the future, it is essential that the Shire has an understanding of the quantity of waste and recycling material that is handles. There is a need to maintain a data collection system that enables the Shire to gain an improved understanding of its current activities. This data collection will provide valuable information for future decision-making. The weighbridge at the facility entrance provides an ideal opportunity to collect accurate date on all materials entering and departing the site.

- *Key Driver 3 - Significant opportunities to improve performance on construction and demolition, and commercial and industrial waste recovery.* This Key Driver has no particular relevance to the Shire at this stage. Possibly at some time well into the future, when the Shire is looking for continuous improvement projects, the Shire may consider strategies to improve the management of construction and demolition (C&D) waste. It is however important to note that a single demolition project could generate a relatively significant quantity of C&D waste. The landfill operator should have contingency plans in place on what to do with a large quantity of C&D waste from a single source
- *Key Driver 4 - Consolidation and improvement in municipal waste collection and processing performance.* There is an opportunity to improve on the existing waste and recycling collection systems currently in operation. This is achieved by a combination of community education to increase at source waste sorting while reducing recyclable contamination and expanding the collection service to additional properties.
- *Key Driver 5 - A desire to do better on packaging waste management, litter recovery and other problematic wastes.* For the Shire, this Driver is linked to Key Driver 4 above as well as providing improved kerbside recycling opportunities at the town sites and waste management facilities improving landfill operations to reduce litter generation around the site.
- *Key Driver 6 - Improved landfill practices and incentives to reduce waste to landfill.* Due to the lack of enforceable recycling targets, this Driver of "reducing waste to landfill" is more of an indication of where the Strategy would like the Shire to head rather than an enforceable action. This certainly opens up the opportunity to request funding to improve landfill practices, but these need to have the ultimate intention of "reducing waste to landfill" and not simply funding the Shire current landfill related liabilities.
- *Strategy Objective 1 – Initiate and maintain long-term planning for waste and recycling processing, and enable access to suitably located land with buffers sufficient to cater for the State's waste management needs.* This Objective is somewhat linked to Key Driver 1 whereby the Shire needs to assess where it is heading in the future with regards to waste management facility requirements. The specific reference to buffer zones is more of a Metropolitan issue where development encroachment reduces the opportunity for waste facility siting.

- *Strategy Objective 2 - Enhance regulatory services to ensure consistent performance is achieved at landfills, transfer stations and processing facilities.* This is one of the most relevant Objectives to the Shire. This Objective identifies that there is likely to be increased DER monitoring and inspections of waste management facilities in the future to ensure that facilities are managed to best practice standards. Sites not being operated appropriately will likely be encouraged to comply with best practice and in extreme circumstances penalised accordingly. The enhanced regulatory services are also likely to result in more stringent design and compliance requirements when developing new landfill sites. This has the potential to significantly increase the cost of developing future waste management facilities; hence, the incentive to optimise existing facility capacity.
- *Strategy Objective 3 - Develop best practice guidelines, measures and reporting frameworks and promote their adoption.* This is of limited impact to the Shire and is likely to be an output from the DER at some time in the future.
- *Strategy Objective 4 - Use existing economic instruments to support the financial viability of actions that divert waste from landfill and recover it as a resource.* This is seen as a direct reference to increasing the Metropolitan landfill levy to narrow the cost gap between recycling operations and landfill disposal costs. With the landfill levy only applying to the Metropolitan area, this is of no consequence to the Shire.
- *Strategy Objective 5 - Communicate messages for behaviour change and promote its adoption, and acknowledge the success of individuals and organisations that act in accordance with the aims and principles in the Strategy and assist in its implementation.* This Objective is structured around community education and the influencing of behavioural change to achieve community buy-in to improved recycling activities. This is seen as an important aspect of any proposed changes within the Shire and there is an opportunity to obtain DER funding to subsidise the implementation of community education campaigns. It is pointed out that community education is not a one-off activity; it is an ongoing requirement to ensure continued success of the recycling activities.

Overall, the WA Waste Strategy is likely to have the following impact on the Shire:

- Require improvement in current landfill operations to comply with best practice landfill management (as a minimum, the facility operating licence);
- Make future site development more costly due to increased regulatory requirements; and,
- Opportunity to obtain funding to achieve the objectives of the Strategy.

It is not considered that the Strategy will require the Shire to achieve any particular recycling target; however, this is an indication of where the Waste Authority is heading and hence it is advisable to at least commence the journey towards increased recycling.

## 2.2. Strategic Waste Management Plan

In striving towards the aspirations of "Creating the Right Environment", the Shire is a significant participant in the Avon Regional Organisation of Councils (AROC), which includes five neighbouring Local Governments and represents a population of some 22,000 people.

In July 2015, the AROC formalised a Strategic Waste Management Plan (*IW Projects July 2015*). This plan documents the strategy for improved knowledge sharing within the group, progressive waste diversion from landfill, increased material reuse and recycling within the community and improved waste management facility operations. The strategy includes the following relevant proposed activities:

- Improve systems for the collection and recording of waste management data;
- Investigate and implement improvements to existing recycling systems;
- Improve/implement Hazardous Household Waste drop off facilities;
- Review of disposal facility gate fee structure;
- Extraction of recyclables from landfill and transfer station tipping area;
- Improve compliance with landfill Registration and licence conditions;
- Improve landfill planning and overall management;
- Increase opportunities for recycling drop off;
- Greenwaste diversion from landfill; and,
- Develop/improve tip shop facilities.

The Strategic Waste Management Plan sets out the proposed activities for future waste management within the Shire, whilst this Facility Management Plan describes how some of these proposed activities are to be actioned within the context of the management of the Old Quarry Road Waste Management Facility.

### 3. Facility Location and Operating Permit

#### 3.1. Facility Location

The Old Quarry Road Waste Management Facility is located approximately 3.5 km west of the town of Northam and 20 km south east of the town of Toodyay, off Toodyay Northam Road.

**Appendix No. 1 – Aerial Photo and Site Surrounds** provides an aerial photo of the site and surrounding details.

The landfill is located within Reserve 26840, Lot 422 on Plan 101078 Old Quarry Road. The majority of the site is occupied by past and present landfill activities, site entrance infrastructure, limited recycling occurring in the vicinity of the entrance and liquid waste ponds in the south west corner of the site.

#### 3.2. Facility Operating Licence

The Old Quarry Road Waste Management Facilities is a licensed site (the method for regulating larger landfill sites >5,000 tpa). This means that the site is governed by the site-specific landfill licence conditions.

The operating licence, Licence Number 6977/1997/10 governs waste management activities on site includes the following aspects:

- Classification of Premises:
  - Category 64 – Class II Putrescible Landfill Site;
  - Category 62 – Solid Waste Depot; and,
  - Category 61 – Liquid Waste Facility.
- Commencement date (of current licence) - 9 October 2011.
- Expiry date (of current licence) – 8 October 2027.
- Waste acceptance in accordance with "*Landfill Waste Classification and Waste Definitions (1996 as amended)*".
- Compliance with other Acts, Regulations and Policy:
  - *Bush Fires Act 1954*;
  - *Environmental Protection Act 1986*;
  - *Health Act 1911*; and,
  - *Landfill Waste Classification and Waste Definitions 1996 (as amended)*.
- Allowable activities:
  - Disposal of refuse to landfill;
  - Recyclables storage;
  - Storage of green waste; and,
  - Liquid waste treatment.
- Nominal Rated Throughput:
  - 50,000 tonnes of waste landfilled per year;
  - 7,000 tonnes of liquid waste per year; and,
  - 350 tonnes of recyclables per year.

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- Disposal of asbestos and biomedical waste.
- Management of landfill activities.
- Green waste management.
- Management of landfill activities.
- Fencing.
- Windblown waste.
- Signage.
- Hydrocarbon and chemical storage.
- Storage and disposal of used tyres.
- Dust management.
- Burning of waste (not permitted).
- Stormwater management.
- Protection of ground and surface waters.
- Groundwater monitoring
- Monitoring and reporting.

For additional details, refer to the facility operating licence.



#### 4. Contaminated Sites Legislation

The *Contaminated Sites Act 2003* requires all identified contaminated sites to be registered with the DER and an appropriate caveat placed on the property Certificate of Title.

The onus is upon the landowner to assess whether a property is "contaminated" and hence register the site with the DER. The DER expectation is that all landfill sites will ultimately be classified as "contaminated" due to past or present waste disposal activities.

The remedial action to be taken if a site is deemed as "contaminated" is highly dependent on the degree of contamination and the potential impact on surrounding receptors. This remedial action could involve simply monitoring the contamination through to the total clean-up of the site and groundwater.

Being proactive, the Shire of Northam has registered the Old Quarry Road landfill site with the DER as a potentially contaminated site.

Future waste management activities carried out on site are to be managed in a way so as to minimise the potential contamination of the site. This will limit the potential liability that the Shire may incur in having to clean up the site should the level of contamination negatively impact on surrounding receptors.

Continuing to operate the landfill facility as a Class II site will not significantly increase the Shire's liabilities with regards to the *Contaminated Sites Act 2003*. With adequate waste acceptance control (Class II), appropriate site operations and comprehensive landfill closure, the potential of site impact of the landfill facility should be negligible.

It is also important that in the Shire future planning, potential receptors (residential development) be restricted to beyond the 500 m buffer zones surrounding the landfill. Due to the location of the Waste Management Facility being well away from the Northam townsite and on the opposite side of the Great Eastern Highway, it is highly unlikely that there will be any future development pressure that will negatively impact the facility.

The Shire is also to be aware that the DER and the EPA have draft guidance statements which required a 1,000 m separation distance to sensitive receptors; hence, it is preferable that all future development be restricted to beyond 1,000 m from the landfill.

##### Future Actions

- Manage the site to minimise potential contamination.
- Restrict the encroachment of potential receptors (residential development) within the 1,000 m landfill buffer zone.

## 5. Current Situation

### 5.1. Operations

The site is operated under contract to Avon Waste (the Contractor). The Contractor has been operating the site since 1995 and these activities include:

- Managing and maintaining the landfill operations;
- Compliance with the requirements of the facility operating licence;
- Operation and management of the gatehouse and weighbridge including waste receivable, financial transactions and record keeping;
- Maintenance of roads within the site;
- Management of traffic within the site;
- Waste acceptance compliance and record keeping;
- Greenwaste management;
- Asbestos and clinical waste handling, burying and recording;
- Placement, spreading, compacting and covering of all waste;
- Management of surface water and dust on site;
- Ensuring effective litter, odour and vermin control on site;
- Ensuring effective site fire prevention, security, access, communications and facilities management; and,
- Recycling (including receiving revenue).

Future cell excavation and site improvements are organised and paid for by the Shire on an as required basis.

The facility is permanently manned with all waste being inspected on entry to the facility.

The facility operating hours are:

- Monday to Sunday 8.00 – 17.00.
- Closed:
  - Christmas Day.
  - Good Friday.

On-site waste management mobile equipment includes:

- Waste compactor 2 off;
- Front end loader; and,
- Ute.

**Appendix No. 2 – Topographical Survey** provides a copy of the detailed topographical survey of the landfill site.

The site activities include the following licensed categories:

- Category 64 – Class II putrescible landfill;
- Category 62 – Solid waste facility; and,
- Category 61 – Liquid waste facility.

Residential and commercial customers delivering material to the facility have the loads inspected on arrival at the weighbridge and thereafter are directed to the recycling area for the drop-off of recyclable materials, then the greenwaste area and then finally to the active landfill tipping area where they unload and place the waste directly into the landfill. As needed, the waste is pushed up and compacted in place by the site operators. Good landfill waste compaction is achieved by the use of a dedicated waste compactor.

Asbestos and clinical are landfilled in separate, dedicated area of the landfill.

There are limited recycling activities on site with all revenue gained from these recycling activities going to the Contractor.

## 5.2. Gate Fees

The Old Quarry Road facility currently charges a gate fee for various vehicle types disposing of waste or a fee based on the type of waste being disposed of. Local residents utilise tip passes for the disposal of small quantities of waste.

Table 5.2.1 – Gate Fees provides details of current gate fees at both the Old Quarry Road and Inkpen Road facilities.

Table 5.2.1 - Gate Fees

Description	Old Quarry Road	Inkpen Road
Domestic Waste		
Car, Station Wagon, Utility or Trailer (2.4 m x 1.2 m x 1.0 m)	Tip Pass up to 10 disposals/yr – Shire residents only	Tip Pass up to 10 disposals/yr – Shire residents only
Clean Greenwaste	No charge – Shire residents; \$30/t, \$17 minimum charge – for commercial	No charge – Shire residents; \$27/m <sup>3</sup> , \$17 minimum charge – for commercial
From outside Shire or volumes exceeding 2.4 m x 1.2 m x 1.0 m	\$56/t, \$29 minimum charge	\$56/m <sup>3</sup> , \$29 minimum charge
Commercial/Industrial Waste By volume	Not applicable	\$56/m <sup>3</sup> , \$29 minimum charge
Commercial/Industrial Waste By tonnage or domestic waste loads over 2.4 m x 1.2 m x 1.0 m	\$56/t, \$29 minimum charge	\$56/t, \$29 minimum charge (weighbridge certificate to be provided)
Landfill Levy on Metropolitan waste	\$66/t	\$66/t (weighbridge certificate to be provided)
Unadulterated Building Rubble By volume	Not applicable	\$27/m <sup>3</sup> , \$17 minimum charge

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Description	Old Quarry Road	Inkpen Road
Unadulterated Building Rubble By tonnage	\$30/t, \$17 minimum charge	\$30/t
Asbestos	\$88/t	\$56/m <sup>3</sup>
Disposal of Animals	\$8 to \$25 each, depending on size	\$8 to \$25 each, depending on size
Metal Incl. Car Bodies	No charge	No charge
Used Tyres (per tyre)	\$5 to \$40 each, depending on size	\$5 to \$40 each, depending on size
Used Engine Oil > 30L	\$0.25/L	\$0.25/L
Special Burials	\$88/t, \$50 minimum charge	\$56/m <sup>3</sup> , \$29 minimum charge
Commercial Recycling Drop-off	\$160/t, \$16 minimum charge	\$60/m <sup>3</sup> , \$16 minimum charge

All Gate Fees include GST.

From a comparison of the gate fees at the two Shire landfills it can be concluded that:

- Old Quarry Road landfill charges by tonne as there is a weighbridge on site, while Inkpen Road landfill charges by volume as there is no weighbridge on site; however, there is the option for the customer to obtain a weighbridge docket for the load before entering the site;
- The gate fees are very similar, with the only minor differences in asbestos and special burial fees; however, there is the impact of the difference between volume and density to consider, which would likely result in a similar disposal charge for the same load at either facility;
- There is no material difference between the gate fees at either facility that would encourage customers to go to a particular facility to save on gate fees; and,
- The extra travel distance from Inkpen Road to Old Quarry Road may incentivise Metropolitan customers to stop at Inkpen Road as opposed to travelling further to Old Quarry Road.

The Red Hill Landfill charges \$165/t for commercial waste. This compares to \$110/t (including the Landfill Levy) being charged at either of the Shire's landfill sites. This could act as an incentive for commercial waste to be driven out of the Metropolitan area and be delivered to one of the Shire's landfills. Based on typically \$200/hr to run a commercial waste vehicle, the current gate fee difference of \$55/t would require a minimum load of 7.5 tonnes to justify the travel time from Red Hill to Old Quarry Road.

The Shire does not currently accept waste from the Metropolitan area without prior approval.

### 5.3. Material Sources and Quantities

#### 5.3.1. Material Sources

The Waste Management Facility services approximately 9,630 people from the development nodes of:

- Northam – population of 7,930 (2013 ABS increased at 2.9% annual growth rate to 2016 - *Business As Usual scenario, Northam Regional Centre Growth Plan*); and
- Surrounding areas – population of 1,700 (total Shire population less Northam and less Inkpen Road landfill population serviced).

Additional waste is received from the following:

- Local industry (mainly within Northam);
- Construction waste (from local industry and public works projects);
- Shires of Toodyay (2,186 t), York (1,484 t), Cunderdin (817 t) and Kellerberrin (509 t); and,
- Small quantities of residential and commercial waste from the neighbouring Shires (Shires of Toodyay, York, Cunderdin and Kellerberrin).

The waste generated in the western portion of the Shire, is serviced by the smaller Inkpen Road landfill.

There is no discernable quantity of waste being delivered from the Metropolitan area.

#### 5.3.2. Material Quantities and Characteristics

The facility records of waste being delivered to and removed from the facility are obtained from the site weighbridge; hence, are accurate and reliable.

Table 5.3.2 – Annual Material Quantities provides annual material tonnages received at the Old Quarry Road Waste Management Facility.

Table 5.3.2 – Annual Material Quantities

Waste Type	Annual Material Quantity
<b>Waste to Landfill</b>	
Residential Waste*	4,841 t
Commercial Waste	7,554 t
Building Rubble	4,466 t
Asbestos	313 t
Clinical Waste	3 t
Animals	4 t
<b>Sub-Total</b>	<b>17,181 t</b>

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Waste Type	Annual Material Quantity
<b>Cover Material</b>	
Clean Fill	3,000 t
<b>Sub-Total</b>	<b>3,000 t</b>
<b>Material Diverted from Landfill</b>	
Greenwaste (mulched on site)	858 t
Scrap Metal	732 t
Tyres**	1,498 No. or 27 t
Waste Oil***	19,150L or 15.7 t
Car Batteries	7 t
E-Waste	11 t
Drum Muster Containers****	5,605 No. or 2.8 t
Comingled Recycling	37.44 t
<b>Sub-Total</b>	<b>1,690.94</b>
<b>Liquid Waste</b>	
Septage Waste	2,851 t
<b>Sub-Total</b>	<b>2,851 t</b>
<b>Total</b>	<b>24,722.94 t</b>

\* Residential Waste includes both residential and commercial kerbside wheelie bin waste 2,947 tpa. Remainder is free red verge bin and tip pass waste. Figures worked out from weighbridge data and Synergy. Tip pass waste estimated from number of loads at 300kg.

\*\* Conversion rates used are the LG Waste and Recycling Census values. Average tyre weight of 18 kg.

\*\*\* Conversion rate – 0.82 t/m<sup>3</sup>.

\*\*\*\* Conversion rate – average drum weight 2 kg.

From the material quantity data collected on site, it is estimated that there is 17,181 tonnes of waste landfilled, 3,000 tonnes of cover material received, 1,691 tonnes of material diverted from landfill and 2,851 t of liquid waste. This equates to approximately 24,723 tonnes of material received on site annually; however, only 17,181 tonnes ends up in landfill.

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**Table 5.3.2 – Anticipated Annual Landfill Waste Tonnage Increases** provides the anticipated annual waste tonnage based on a nominal 2.9% per annum increase. The assumption is that the growth in waste generation will be proportional to the growth in population.

**Table 5.3.2 – Anticipated Annual Landfill Waste Tonnage Increases**

No.	Year	Annual Landfill Waste Tonnage (t) 2.9% Annual Increase
0	2016/17	17,181
1	2017/18	17,679
2	2018/19	18,192
3	2019/20	18,720
4	2020/21	19,262
5	2021/22	19,821
6	2022/23	20,396
7	2023/24	20,987
8	2024/25	21,596
9	2025/26	22,222
10	2026/27	22,867
11	2027/28	23,530
12	2028/29	24,212
13	2029/30	24,914
14	2030/31	25,637
15	2031/32	26,380
16	2032/33	27,145
17	2033/34	27,933
18	2034/35	28,743
19	2035/36	29,576
20	2036/37	30,434
<b>20 Year Average</b>		<b>487,426</b>

For future planning, it is anticipated that the average annual tonnage for the 20-year period will be approximately 23,000 tonnes. This is the average over the period based on a 2.9% annual growth rate.

At a compacted waste density of 750 kg/m<sup>3</sup> (typical for a medium compacted landfill) this equates to an average annual airspace consumption of approximately 30,700 m<sup>3</sup>.

It is presumed that the current quantities of materials being recycled through existing recycling activities will also increase in proportion to population growth. Should there be any new or significantly improved recycling activities within the Shire, then any increase in the per capita quantity of recycling will reflect in an equivalent decrease in the quantity of material being landfilled.

## 5.4. Recycling

### 5.4.1. General

Currently there is some limited recycling occurring on site. The Contractor retains the rights for all recycling activities including the revenue received from the sale of recyclables; this typically includes scrap metal and lead acid batteries. The Shire covers the cost of disposing or processing of non-revenue generating recyclable materials; this typically includes comingled recyclables, e-waste, mulching greenwaste, tyres and used oil.

**Table 5.3.1 – Annual Material Quantities** above provides the annual recycling quantities received at the Old Quarry Road facility.

### 5.4.2. Scrap Metal

Scrap metal is collected in a dedicated area on the landfill. Once sufficient quantities of metal have been stockpiled a metal recycler is brought in to collect scrap metal.

### 5.4.3. Greenwaste

Greenwaste is stockpiled separately until sufficient quantity has been collected and then it is mulched on site. A limited quantity of greenwaste that is received in mixed loads is disposed of at the active putrescible tipping face.

The facility operating licence does not permit the burning of waste on site. However, there is the mention of the Fire and Emergency Services being in control of greenwaste burning during prohibited and restricted burning times and there is the definition of a designated burning area; hence, there is some confusion as to whether the facility is able to burn greenwaste. In any event, the Shire has no plan to burn greenwaste, as mulching is deemed the preferred outcome as the community utilises all of the mulched greenwaste from site.



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#### 5.4.4. Minor Recycling

A range of other recycled products are collected and separately stored on-site until sufficient quantity has been accumulated. The landfill Contractor arranges for the removal of scrap metal and lead acid batteries, while the Shire arranges for the removal of all other recyclable materials. Some materials such as vehicle tyres and used motor oil incur a disposal fee when collected by recyclers. The recycling disposal fee is paid for by the Shire and offset against gate fees charged for the disposal of the material at the landfill site.

Minor recycled products include:

- Used tyres;
- Used motor oil;
- Lead acid batteries;
- E-Waste; and,
- Comingled Recyclables, including aluminium and steel cans, glass, paper and cardboard and a variety of plastic.

## 6. Site Future Development and Management

### 6.1. Landfill Operational Constraints

In accordance with environmental protection requirements the landfill operations are to be managed in accordance with the landfill licence as set out in Section 3 above.

### 6.2. Site Future Development Overview

The overall concept for the future development of the site is to optimise the available landfill capacity and increase the quantity and range of materials recycling.

The intention being to landfill all available area within the existing valley line up to the liquid waste ponds and to increase the height of the waste mass in order to achieve an acceptable final gradient to ensure that stormwater can be adequately shed off the capped surface while not being overly visible from surrounding areas.

Based on the proposed landfilling footprint and design waste profile, the site has reasonable available future landfill airspace. The site is anticipated to have a further operating life of approximately 15 years.

The Shire has previously investigated the development of a future landfill in the adjacent valley line to the south east of the existing landfill area. This still remains an option; however, will require a more detailed investigation in order to confirm its suitability.

**Appendix 3 – Final Landform and Perimeter Drain Layout Plan** provides detail of the proposed future site development.

### 6.3. Property Boundary and Buffer Zones

The overall size of the property is appropriate to accommodate the landfill in the central/southern portion of the site, the liquid waste ponds in the southern corner and the gatehouse and recycling area in the north eastern corner. There is no need to adjust the property boundaries to accommodate the ongoing site development.

Current licence requirements are for a minimum 35 m buffer zone from all property boundaries to any waste placement. All waste placement activities have and are to continue to occur outside the necessary 35 m buffer zones.

The Environmental Protection Authority (EPA) requirement for a 500 m buffer zone to any residential sub-division or sensitive building development and a minimum of 150 m to the nearest residential zoning or dwelling (*EPA Guidance for the Assessment of Environmental Factors – Separation Distances between Industrial and Sensitive Land Uses No. 3 June 2005*). In August 2015, the DER released a draft Guidance Statement on Separation Distances, which has a 1,000 m separation distance to sensitive receptors. In addition, in September 2015, the EPA also released a draft *Environmental Assessment Guideline for Separation Distances Between Industrial and Sensitive Land Uses*, which has a 1,000 m separation distance. Neither of these two draft documents have been finalised; however, the regulatory authorities are using these revised separation distances when assessing applications.

Based on the recent direction being promoted by both the EPA and the DER, it is likely that a 1,000 m buffer zone (separation distance) will become the norm when assessing future landfill developments, be they new or existing facilities. Consequently, there is a need to maintain a 1,000 m buffer zones from the edge of the landfill to the nearest residential subdivision or single property.

Currently the nearest farmhouse is approximately 1,000 m to the north west of the landfill. There is also the CBH grain depot approximately 350 m to the north; however, this is not deemed a sensitive receptor. The current separation distance to the nearest sensitive receptor (farmhouse) is deemed adequate such that there should be no negative impact as a result of the waste management activities on site.

Although it is highly unlikely that there will be any future development pressure within the 1,000 m buffer zone, the Shire is to be aware of the buffer requirements around the landfill.

#### Future Actions

- During landfill operation no waste to be placed within the 35 m buffer zone around the property boundary.
- The Shire is to ensure that a 1,000 m buffer zone is maintained around the landfill site.

#### 6.4. Facility Operating Hours

The facility operating hours are:

- Monday to Sunday 8.00 – 17.00.
- Closed:
  - Christmas Day and Good Friday.

The local community is being provided with an excellent waste management service for the relative size of the surrounding community; if anything, the hours of operation are potentially excessive for the size of the facility and quantity of material being accepted.

At this stage, it is not recommended to change the facility operating hours; however, in future, there is the potential to reduce the facility operating hours if there is a deemed operational or financial benefit.

Should, in future, the Shire decide to change (increase or decrease) the facility operating hours, the decision should be based on facility utilisation. In order to assess the facility utilisation, it is recommended that the Shire maintain a record of vehicle movements including the time of day that the vehicle entered the site. This information should be readily available from the weighbridge data collected during normal site operations.

#### Future Actions

- It is not recommended to change the facility operating hours.
- The Shire must continue to maintain a record of vehicle movements including the time of day that the vehicles enter the site.

### 6.5. Future Gate Fees

Section 5.2 above provides information on the current facility gate fees. These gate fees have been compared with the Inkpen Road gate fees. It is important that the Old Quarry Road facility maintains a gate fee at least equal to or less than the Inkpen Road facility. Having a gate fee that is greater than the Inkpen Road facility will result in a significant increase in waste quantities being delivered to the smaller Inkpen Road landfill, which is far less suitable for the disposal of the larger volumes of waste. The Shire is to monitor the delivery of Perth Metropolitan waste. Should there be noticeable quantities of waste being received from Perth; the Commercial & Industrial (C&I) gate fees should be increased to discourage this waste, as this will fill the available landfill airspace more rapidly and consequently, the Shire will need to develop an alternative landfill site or source an alternative waste disposal option such as another Local Government facility or a commercial facility, ideally outside of the Perth Metropolitan area (to avoid paying the landfill levy).

The overall concept being that the Old Quarry Road Waste Management Facility is a local waste management service specifically for the local community, including neighbouring shires. It should be preserved as such and not be rapidly filled with "opportunistic" waste from Perth.

Gate fees are an effective mechanism for controlling the amount of waste delivered to the facility. Market forces tend to result in waste being delivered to the most cost-effective location. Cost effectiveness is a function of facility gate fee and the distance from where the waste is being generated.

With the landfill being within a relatively short drive from the Perth Metropolitan area, the Shire is to be aware of the possibility of receiving significant quantities of waste from Perth. Although this may provide the short-term benefit of increased revenue, there will be the associated negative aspects of increased waste to landfill, increased airspace consumption and premature landfill closure.

Future gate fees should be structured to influence the quantity of waste being delivered to the facility as well as act as an incentive for waste generators to recycle the maximum amount of material possible. Waste being disposed of to landfill should incur the maximum charge. Recyclable products should ideally be received from the community at no charge or at minimal charge. This minimal charge should be significantly less than the waste disposal charge in order to encourage waste separation and increased recycling.

When determining future gate fee increases, the Shire is to be mindful of the potential increase in "fly tipping" (illegal dumping) that may occur in the local area should the disposal fees be increased excessively. Small annual increases are preferable to large increases every few years.

#### Future Actions

- Utilise the gate fee structure to influence the quantity of waste being delivered to the facility.
- Maintain a gate fee at least equal to or less than the Inkpen Road facility.
- Maintain a significant price differential between general waste and recyclable materials.
- Small annual increases are preferable to large increases every few years.
- Carefully assess the benefits/disbenefits of receiving waste from the Perth Metropolitan area.

#### 6.6. Site Operational Constraints

In accordance with sound environmental protection and current licence requirements the landfill operation is to be managed in accordance with the following site operational constraints:

- No waste to be placed within 3 m of the groundwater table;
- No waste is to be placed in the 35 m buffer zone around the property boundary;
- There is an environmental requirement to remain 100 m away from any superficial water body as described in accordance with the *Rights in Water and Irrigation Act 1914*;
- Waste tipping area to be a maximum of 30 m in length;
- Waste to be placed in defined trenches or enclosed by earthen bunds;
- 230 mm of cover material to be applied weekly or 100 mm of daily cover;
- Municipal waste covered within 24 hours of being delivered to site or by the end of the next working day;
- Spread waste in maximum 500 mm layers and compact with at least five passes of the waste compactor;
- The exposed tipping face is not to be greater than 2 m high;
- Final soil cover of the landfill of at least 1 m thick;
- 1.8 m high security fence to be maintained around the active landfill area;
- 1.8 m high stock-proof fence to be maintained around the premises;
- 2.0 m litter screens on three sides and within 2 m of the tipping area;
- Litter blown or washed off active landfill area is to be collected and return to the tipping area at least weekly;
- Stormwater directed away from tipping areas;
- No visible dust crossing the site boundary;
- Restricted tyre storage as per licence requirements; and,
- Disposal of clinical waste and asbestos in accordance with the licence requirements.

For more detailed site operational constraints refer to the facility operating licence.

#### Future Actions

- Ensure site operations are carried out in accordance with the requirements of the facility operational licence.

### 6.7. Future Landfill Areas

Future landfill development is to occur in a south westerly direction heading up the valley towards the liquid waste ponds in the southern corner of the site. The ultimate waste profile will partially fill across the existing valley extending as a continuous waste mass up to within approximately 30 m from of the liquid waste ponds.

The landfill will be progressively developed heading up the valley with sufficient valley floor area cleared and excavated to accommodate a minimum of one year's waste disposal.

Future landfill cell excavation is to be carried out so as not to encroach to within 3 m of the groundwater (operating licence condition). The depth of the regional groundwater below the site needs to be assessed in order to dictate the extent of the maximum allowable depth of excavation.

The excavated material is suitable for use as either daily cover or final landfill capping material. Consideration of future cell development locations and excavation depths needs to be taken into account when sourcing cover material. Sourcing of cover material in the appropriate area can be used as a cost effective method of developing future landfill cells.

Typically future landfill cells should be approximately 50m long (up the valley), with the width being determined by the shape of the valley and the height that the waste will extend up the valley sides. A 50 m bench length provides sufficient vehicle access and adequate landfill airspace. This is also consistent with the typical bench lengths utilised on the existing landfill.

In time, should the current valley reach maximum capacity, there is the potential option of developing a landfill in the valley to the south east of the existing landfill as has previously been conceptually investigated by the Shire.

**Appendix No. 3 – Final Landform & Perimeter Drain Layout Plan** provides detail of the proposed future landfill development areas.

#### Future Actions

- Develop future landfill areas in a south westerly direction up the valley towards the liquid waste pond area.
- New landfill cells to be approximately 50 m long extending up the valley line.
- Assess the level of the regional groundwater below the site in order to determine the maximum depth of excavation to remain 3 m above the groundwater level.
- Cover material excavation to be carried out in accordance with future of cell development sequence.

### 6.8. Tipping Areas and Waste Placement

The landfill is to be operated with a single tipping face for all waste streams (with the exception of asbestos, clinical waste and inert material). This has the following advantages over multiple tipping faces:

- Reduced operator effort;
- Reduced consumption of cover material;
- Reduced surface area of exposed waste; hence, less litter, vermin activity, leachate generation; and,
- Neater looking landfill site.

The only materials that are not placed directly within the landfill should be materials that are deemed as being recyclable including greenwaste that is to be mulched and some inert materials that can be used as future cover material. All other waste material should be placed directly into the landfill and incorporated into the waste mass.

If bulk inert material is to be landfilled (not being stockpiled separately for use as cover material), the preference is for this more dense material to be placed and spread out on top of lighter waste. This acts as cover material, but also increases the compaction of the lighter waste below and hence, the overall waste density of the landfill.

Ideally the single active landfill tipping area should be:

- Confined to an area that is as small as practically possible;
- A maximum of 30 m wide;
- Waste lifts of a maximum of 2 m in height; and,
- A batter slope down to the base of the lift being at least 1V:3H.

Waste should be placed at the top of the sloping tipping face and pushed down the slope in layers of approximately 500 mm (uncompacted) by the compactor. The compactor should then compact the waste by a minimum of 5 passes over the tipping face. Larger, solid objects or waste requiring immediate burial should be placed at the bottom of the slope and fresh waste simply pushed down the slope to cover over it and then compacted appropriately.

A similar waste placement methodology would apply to asbestos and clinical waste, except the waste would be placed in its final destination and not pushed and compacted, and the cover material layer would be substantially thicker and be placed immediately following the disposal of the materials.

**Appendix No. 4 – Progressive Waste Lift Progression Plan, Appendix No. 5 – Progressive Waste Placement Area Plan, and Appendix No. 6 – Typical Progressive Waste Lift Section** provide typical details of the progressive waste lift development.

All waste activities are to be carried out in accordance with the facility operating licence requirements.

#### Future Actions

- Operate a single landfill tipping face for the vast majority of the waste.
- Maintain a small exposed tipping area.
- Tipping area to be a maximum of 30 m wide.
- Waste lifts to be a maximum of 2 m in height.
- Batter down from tipping face to base of lift to be at a minimum slope of 1V:3H.
- All landfilling to be in accordance with the facility operating licence.

### 6.9. Waste Compaction

Compaction of waste is carried out for the following reasons:

- Increasing the density of the waste and hence increasing the quantity of waste that can be disposed of within a fixed volume (optimising landfill airspace consumption);
- Providing a relatively smooth surface for the cover material to be placed on; hence, reducing the quantity of cover material required;
- Reduce waste settlement;
- Reducing the opportunity for vermin to scavenge in the waste;
- Reduce windblown litter;
- Reduce odour generation;
- Reduce water ingress into the waste; and,
- Reduce the potential for fires within the waste.

Waste density is impacted by the following:

- Compactive effort applied by the waste compactor;
- Waste type (smaller waste size compacts easier);
- Landfilling methodology (placing inert material on top of light/fluffy waste applies natural compaction of the waste mass);
- Depth of uncompacted waste (thin layers compact more efficiently); and,
- Amount of cover material utilised (less cover material results in greater waste density).

The use of a dedicated waste compaction machine is appropriate for the size quantity of waste landfilled and will ensure that adequate compaction is achieved.

Typically it would be anticipated that a waste density of approximately 750 kg/m<sup>3</sup> could be relatively easily achieved provided the waste was adequately compacted and also allowing for some waste settlement over time.

#### Future Actions

- The site operator is to pushed out the waste in uncompacted layers of approximately 500 mm thick and compact the waste layer with a minimum of five passes of the waste compaction machine.



## 6.10. Waste Cover

Waste cover is a critical activity on site. In accordance with the facility operating licence there is a requirement to cover the waste with a minimum of 230 mm of soil on a weekly basis or 100 mm at the end of each day.

When placing waste over previously covered areas, the operator is to ensure that most cover material is removed prior to fresh waste being deposited. The recovered cover material can be reused as cover material.

The use of excessive cover material results in the following:

- Wasted effort in sourcing, covering and removing cover material.
- Waste of cover material; and,
- Additional airspace consumed if cover material is not adequately removed before the next layer of waste is placed.

Operating the landfill with the smallest tipping face surface area possible significantly decreases the quantity of cover material required.

For areas that have reached the final design levels, the operating licence specifies that a final cover of a minimum of 1 m is to be applied over all waste. This final cover layer should be placed as soon as possible after the final waste profile has been reached.

The benefit of immediately covering the final waste profile include:

- Earlier completion of portions of the landfill;
- Improved visual amenity from the north of the site;
- Reduced litter generation;
- Improved odour and vermin control;
- Improved surface water management;
- Reduced leachate generation; and,
- Oxidation of small quantities of methane in the cover material (should it be present).

The amount of cover material used is highly dependent on the condition of the waste surface onto which it is being applied. The facility operator is to ensure that the compacted waste surface is relatively smooth and firm. An irregular waste surface with excessive void space will result in significant quantities of cover material being consumed in order to achieve an adequate coverage.

An adequate supply of cover material is essential for the continuous operation of the facility. The facility operator should always maintain adequate stockpiles of available cover material on site. The ideal is to have the cover material delivered free of charge (or the Shire being able to charge a small fee) through the gate. The Shire should always be aware of major construction projects occurring within the surrounding areas and encourage contractors to deliver clean fill to the landfill. In the absence of an available supply of free cover material, the Shire will have to purchase cover material. This is typically an expensive exercise and highly dependent on the haulage distance from where the cover material is obtained.

#### Future Actions

- Cover all waste in accordance with the facility operating licence.
- Compact waste to a smooth surface prior to the placement of cover material.
- Optimise cover material utilisation.
- Cover final profile with a minimum of 1 m of soil cover material as soon as possible after the area has been completed.
- Maintain adequate cover material stockpiles on site.

### 6.11. Leachate Management

Due to the landfill being unlined, there is no leachate collected below the landfill. All leachate that is generated gradually seeps out of the landfill and into the soil below the landfill. Based on groundwater monitoring results, the contamination level from the leachate is extremely low and typical of a rural landfill site.

Leachate management on site revolves primarily around minimising the amount of leachate being generated. This is achieved by ensuring that the appropriate final waste profile is attained and the waste is suitably capped in order to shed surface water flow away from the waste mass.

The natural soil conditions on site consist of red clayey soils overlaying weathered granite bedrock. Due to the clayey nature of the soil, any leachate below the landfill would move extremely slowly through the ground and hence enable natural attenuation of contaminants.

In time, as the vegetation develops on the capped areas this will consume the majority of water absorbed into the cap and further reduce the generation of leachate.

#### Future Actions

- There will be no collection and management of leachate due to the facility being unlined.
- The leachate management is achieved via adequate waste profiling, covering and rehabilitation in order to shed surface water off the landfill and reduce water infiltration into the waste mass.

### 6.12. Stormwater Management

It is a requirement of the facility operating licence that adequate stormwater management is put in place to ensure that stormwater is diverted away from areas of waste placement and that all contaminated water is retained and managed on site.

Due to the landfill having been developed in a valley line, there is and will continue to be a need for stormwater management uphill of the active landfill area. There is no perennial stream flowing down the valley, but during periods of heavy rain, surface water flows down the valley line. The flow is not long-lasting and stops flowing soon after the rain has passed.

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Currently, stormwater flowing down the valley line is collected in a low point excavated immediately uphill of the landfill. This surface water either gradually infiltrates into the ground or is evaporated from the pond surface. A similar situation occurs downstream of the landfill where uncontaminated surface water from the closed landfill area is collected in a retention pond immediately downhill of the landfill. In recent times (passed ten years) there has been no surface water discharge from the lower stormwater retention pond (the upper stormwater retention pond cannot overflow). Should the stormwater overflow the retention pond, it would enter the minor natural watercourse flowing down into the neighbouring property, being uncontaminated surface water and this is permitted under the facility operating licence.

Based on the site topography and landfill development (uphill progression) there will always be an area uphill of the landfill that will collect water. This cannot be prevented until the final stage of landfill development, but it can be minimised by adequate control measures (cut-off drains and retention structures) undertaken in the valley above.

The concept for stormwater management in the area of the landfill is to develop cut-off perimeter drains to divert surface water away from and around the landfill and to shed all uncontaminated surface water off the capped areas into the surrounding stormwater collection system. Any surface water that comes into contact with the waste mass is then classified as being contaminated and is required to be contained on site. The exposed areas of landfill are to be shaped so that any contaminated surface water is contained within the landfill area.

The final landfill waste profile has been developed with due consideration to surface water diversion around the landfill footprint. Perimeter drains have been designed to be installed to collect surface water flowing down the valley line and divert it around the landfill footprint. These perimeter drains need to be installed as soon as possible to ensure adequate surface water control and to provide guidance as to the maximum extent of the landfill footprint, which will be developed up to the edge of the perimeter drains.

**Appendix No. 3 – Final Landform and Perimeter Drain Layout Plan** provides detail of the proposed perimeter stormwater drains and the existing retention pond.

Future Actions
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- |   |
|---|
| <ul style="list-style-type: none"><li>• Ensure adequate stormwater control to divert uncontaminated surface water away from the active landfill areas.</li><li>• Ensure tipping areas slope into the landfill to contain contaminated surface water.</li><li>• Maintain the capacity of the surface water retention pond in the north-west corner of the site.</li><li>• Install the landfill perimeter drains as soon as possible.</li><li>• Ensure that the Shire planning for the area around the landfill excludes sensitive receptors from within the 1,000 m buffer zone.</li></ul> |
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## 6.13. Groundwater and Surface Water Monitoring

### 6.13.1. Groundwater Monitoring

It is a requirement of the landfill operating licence to ensure appropriate groundwater monitoring is undertaken. The Shire undertakes its own sampling of monitoring bores with the collected samples being sent directly to a NATA certified laboratory (SGS) for analysis. The sample analysis data is then sent by the Shire to an environmental consultant (Stass Environmental) to provide interpretation and report on the results.

The site has one upstream monitoring bore (Bore 4) and three downstream bores (Bores 1 to 3). Bores 1 and 2 monitor the area around the liquid waste ponds and Bore 3 is down gradient of the landfill.

Based on the surrounding topography, near-surface groundwater movement is in a north easterly direction down the valley line. The location of the monitoring bores are deemed appropriate to ensure adequate monitoring of the groundwater below the site.

**Appendix No. 7 – Groundwater Contours** indicates the location of the four monitoring bores.

**Table 6.13.1 - Static Water levels** provides details of the static water levels measured in the monitoring bores.

**Table 6.13.1 - Static Water levels**

Location	Static Water Level
Bore No. 1	3 m
Bore No. 2	3.8 m
Bore No. 3	12.5 m
Bore No. 4	8.1 m

Comments from the most recent groundwater monitoring report (*Report of Northam Landfill, Ground Water Monitoring - Stass Environmental April 2016*) conclude:

- *pH levels were within Fresh Water and Aesthetic Drinking Water Criteria recommended range in samples Bore 1 and Bore 4;*
- *Electrical conductivity exceeded Fresh Water Criteria recommended range in all four bore samples;*
- *Chloride concentrations exceeded Irrigation Water and Aesthetic Drinking Water Criteria in samples Bore 1 and Bore 4;*
- *Total nitrogen concentrations exceeded Fresh Water Criteria in all samples, and nominally exceed drinking water criteria. The total nitrogen levels continue to increase, with an upward timeline trend and should be given scrutiny in the next sampling round to confirm the trend;*

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- *Nitrate-nitrogen concentrations exceeded Aesthetic Drinking Water guidelines;*
- *Nitrite-nitrogen and total phosphorous concentrations were below the adopted criteria in all samples and therefore within all relevant criteria;*
- *Cadmium, chromium, copper and lead were below laboratory detection levels and therefore below relevant criteria in samples Bore 1 and bore 4;*
- *Detected concentrations of nickel were above Fresh Water and Drinking Water guideline criteria in samples Bore 1 and Bore 4; and,*
- *Zinc concentrations have now also decreased and no longer exceed Fresh Water Criteria in samples Bore 1 and Bore 4.*

There are no groundwater monitoring trend graphs shown in the Stass Environmental report. It is recommended that the Shire compile trend graphs from historical monitoring data and continue the graphs with each future monitoring exercise.

#### Future Actions

- Continue regular groundwater monitoring as per operating licence requirements.
- Monitor for potential leachate migration in the groundwater.
- Compile trend graphs from historical groundwater monitoring data and continue the graphs with each future monitoring exercise.

### 6.13.2. Surface Water Monitoring

There is no requirement within the landfill operating licence for the Shire to monitor surface water. It is however, advisable that the Shire be aware of the condition of the surface water running off the landfill. In order to assess the condition of the surface water, it is recommended that the Shire occasionally undertake surface water sampling and analysis from the lower stormwater retention pond below the landfill. Annual monitoring is seen as an appropriate duration for surface water monitoring. Should surface water contamination be identified, it may be appropriate to test more regularly in order to determine more accurately what was happening with the surface water contamination levels.

To date the Shire has not taken any surface water samples.

#### Future Actions

- Monitor water quality within the existing lower stormwater retention pond on an annual basis.

#### 6.14. Site Fencing

It is a requirement of the landfill operating licence that the landfill is adequately fenced, including gates on all access points. This is primarily for the control of stray animals, to prevent them entering the landfill site. As a secondary function the fencing clearly demarcates the extent of the landfill area and assists with litter control.

The existing landfill property boundary is fenced to control stray animals. It is not essential that any additional fencing be installed for this purpose. The existing fencing is adequate, but relatively old and requires ongoing maintenance.

As part of the operation of the waste management facility the Shire is to ensure the integrity of the boundary fencing. This is achieved by regular perimeter inspections and undertaking necessary fencing maintenance and repairs as and when necessary.

Future Actions
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| <ul style="list-style-type: none"><li>• Ensure the ongoing integrity of the boundary fence.</li></ul> |
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#### 6.15. Traffic Management

Traffic management is an important aspect of the overall management of the facility. Adequate signage and physical control is required to ensure that the public only drive in allocated areas and comply with traffic flow systems (ideally one-way traffic flows).

Restricting vehicle access only to dedicated areas significantly reduces the amount of uncontrolled tipping and hence the ongoing requirement for the site operator to continuously clean-up the site.

Traffic management needs to consider all anticipated vehicle types and trailers that would be expected to utilise the facility. Adequate space needs to be allocated for vehicles and trailers to park whilst being unloaded as well as providing sufficient space for overtaking parked vehicles.

Future Actions
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| <ul style="list-style-type: none"><li>• Ensure adequate traffic management is undertaken, including the provision of sufficient signage.</li><li>• Traffic management to take into consideration all vehicle types using the facility.</li></ul> |
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### 6.16. Dust Control

It is a requirement of the facility operating licence that no visible dust escapes from the site.

It is not anticipated that dust would be a problem at the waste management facility. This assumption is based on the following:

- Large rural property;
- A relatively small facility;
- Small number of traffic movements on site;
- Adequate traffic control;
- Slow-moving traffic;
- Earthworks only carried out on an occasional basis; and,
- No adjacent receptors within 350 m.

During times of occasional earthworks there is the potential for excess dust to be generated. These activities shall be conducted with due consideration for appropriate dust suppression as and when required.

There are no planned activities, which would increase dust generation on site; hence, it is not anticipated that dust management will be a problem in the future.

Future Actions
<ul style="list-style-type: none"><li>• Visual monitoring of dust generation on site.</li><li>• As and when required utilise appropriate dust suppression.</li></ul>



### 6.17. Litter Control

The facility operating licence covers the requirements for the adequate containment of waste within the active tipping area. Waste is not to be blown away from the active tipping area. Should any litter be blown beyond the active tipping area it is a requirement that it be collected as a minimum on a weekly basis.

The facility operating licence states "The licensee shall contain wind-blown waste within the boundaries of the active landfill area by installing and maintaining litter screens on three sides around and within two metres of the tipping area ...". Having litter screens within 2 m of the tipping area is impractical from an operational point of view, as the active tipping area moves around continuously and a fence so close impedes the operation of the compaction equipment. It is more appropriate to construct a more substantial litter screen around the edge of the landfill in the vicinity of the active tipping area. This provides adequate litter collection while still facilitating landfill operations. The Shire should discuss the need for the 2 m litter screen with the DER in an attempt to get the operating licence amended to reflect a more practical condition with regards to litter control. Litter collection fencing is only one means for the control of litter on site. Litter control on site is achieved via the following mechanisms:

- Regular pushing up and compaction of the waste;

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- Regular collection of uncontrolled tipping and placing the material into the active tipping face;
- Application of adequate cover material;
- Site fencing acting as a litter collection device;
- Regular clearing of litter from fences and other areas of site; and,
- Progressive closure of completed landfill areas.

The higher the landfill, the greater the potential to generate litter and hence the greater the effort required managing litter on site. In these circumstances it is more important to correctly position fences to optimise litter collection. In addition to this, landfilling should be planned around seasonal wind variations and direction.

As part of the ongoing management of the landfill the site operator is to conduct monthly litter collection operations around the site and beyond the site boundary.

#### Future Actions

- Program landfill activities in accordance with seasonal prevailing wind directions.
- Ensure adequate on-site litter management.
- Conduct regular litter collection operations beyond the site boundary.
- Discussed the need for a litter screen within 2 m of the active tipping face with the DER in an attempt to get the licence condition amended.

### 6.18. Weed Management

Active weed management on site is essential to ensure the control of noxious weed species.

With greenwaste being delivered to site, there is always the presence of noxious weeds. It is the Shire's responsibility to ensure that noxious weed species are not allowed to infest the landfill site and neighbouring properties.

Control of noxious weeds is currently undertaken by a pest control contractor when weeds are identified on site by the Shire's Health Department. This typically occurs twice per year.

The management of greenwaste on site will also influence the propagation of noxious weed species. The current practice is to mulch the vast majority of the greenwaste delivered to site. This process has the potential to spread noxious weeds around the site.

#### Future Actions

- Maintain an active weed management system on site.
- Consider weed propagation when determining future management of greenwaste.



### 6.19. Vermin Control

Vermin are attracted to landfill sites by the presence of an abundant food source within the waste. Vermin have the potential to spread disease within the local area and also negatively impact the local ecology around the facility. For example if cats are allowed to propagate on and around the landfill site they will have a significant negative impact on the local fauna in the area.

Vermin control on site is achieved via the following mechanisms:

- Regular pushing up and compaction of the waste;
- Regular collection of uncontrolled tipping and placing the material into the active tipping face (uncontrolled tipping should be reduced by keeping customers in dedicated area within the site and not allowing general access throughout the site);
- Application of adequate cover material;
- Progressive closure of completed landfill areas;
- Adequate perimeter fencing and gates; and,
- Vermin control such as baiting and trapping.

The site operator is to be mindful of the presence of vermin on site and should evidence of vermin activity be noticed, appropriate action should be taken to control the particular vermin type.

Mechanisms for control of specific types of vermin include:

- Cats - baiting and trapping;
- Rats and Mice - baiting and trapping;
- Dogs - adequate fencing; and,
- Birds - covering of waste and removal of surface water.

Future Actions
<ul style="list-style-type: none"><li>• Monitor for the presence of vermin on site.</li><li>• Undertake vermin control as and when appropriate.</li></ul>



### 6.20. Fire Control

There is no burning of greenwaste on site.

The facility operating licence does not allow the burning of any waste on site and the Shire is to report any unauthorised fires to the DER within 14 days of a fire being identified.

The site operator has only limited ability to manage fires, being predominantly hand-held extinguishers for small equipment fires and soil cover material for smothering small landfill fires. The primary fire management solution is to call out the Northam fire brigade.

The Shire has developed a Fire Management Plan to manage fires in and around the facility and has in place the appropriate management systems so that an unauthorised fire can be extinguished as soon as possible.

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**Appendix No. 8 – Fire Management Plan** provides detail on the site fire management systems.

Future Actions
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| <ul style="list-style-type: none"><li>• Extinguish unauthorised fires as soon as possible.</li><li>• Report unauthorised fires to the DER within 14 days of the fire.</li><li>• Regularly review the Fire Management Plan for relevance and effectiveness.</li></ul> |
|--|

### 6.21. Final Landfill Profile

The proposed final profile for the landfill is to fill in the valley extending from the existing landfill up to approximately 30 m from the liquid waste pond area at the top of the valley. The top of the landfill will be domed so that surface water runs off the waste mass in a lateral direction (not longitudinal) towards stormwater drains running parallel to the valley line along the edge of the landfill.

**Appendix No. 3 – Final Landform and Perimeter Drain Layout Plan** provides detail of the proposed final landform profile.

Stormwater control will be achieved by having slopes on the final landfill cap of minimum 1 (vertical) in 20 (horizontal) falling towards the valley sides. There will be longitudinal stormwater perimeter drains running down the length of the valley up against each side of the completed landfill footprint.

The final waste profile and stormwater management is covered in detail in the Post-closure Management section below.

Future Actions
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| <ul style="list-style-type: none"><li>• Progressively develop the final waste profile in accordance with the proposed design.</li></ul> |
|---|

### 6.22. Landfill Gas Management

Landfill gas is generated within large landfills as part of the process of decomposition of organic waste. Typically landfill gas consists of approximately 50% methane and approximately 50% carbon dioxide. There are minor percentages of other gases present in landfill gas.

The environmental concerns with regards to landfill gas relates predominantly to methane being a significant greenhouse gas contributor. Other environmental concerns include the potential odour associated with landfill gas and to a lesser degree the fire and explosion hazard associated with the presence of significant quantities of methane.

Landfill gas is only generated in moist anaerobic conditions within the waste mass. These conditions only occur in larger landfills where the waste depth is in excess of approximately 5 m. There is no evidence that the Old Quarry Road landfill is currently generating noticeable quantities of landfill gas. The lack of gas production is a combination of the relatively small quantity of waste landfilled annually, the thickness of the waste mass and the fact that the waste is relatively dry.

As part of the regular site inspections the facility operator should be aware of the potential for landfill gas generation and look for the tell-tale signs of landfill gas. The presence of significant quantities of landfill gas is relatively easy identified. The gas can be seen emerging from the waste mass (or surrounding areas) during cold winter mornings in what looks like steam coming out of the ground. Landfill gas can also be easily detected by odour. Simply walking over the waste in the downstream wind direction would be sufficient to detect the presence of the gas.

Should landfill gas be detected, the Shire should seek professional advice with regards to the most appropriate method for managing the gas.

Over time, as the waste depth increases in accordance with the proposed final waste profile, this increased depth of waste is likely to result in increased landfill gas generation; however, it is not anticipated that there will be significant quantities of landfill gas such that it will warrant the development of a formal gas extraction and management system. Simply allowing the gas to dissipate into the atmosphere is seen as the most likely solution.

The Shire is to be aware of the possibility of landfill gas migration and accumulation within the soil and belowground service trenches and structures around the landfill. Currently, there are no structures or services immediately around the landfill; however, in future there should not be any buildings constructed in close proximity to the landfill. This is seen as a minor risk element as there is not anticipated to be a significant quantity of landfill gas being generated and the natural soil is of low permeability; hence, resistant to gas migration. Although the low permeability soil is an advantage with regards to reducing the general migration of gas, should there be a preferential flow path (through a sand layer or quartz vein) that leads to a service trench or structure, this could result in significant localised gas build-up.

Future Actions
<ul style="list-style-type: none"><li>• Undertake regular site inspections for the presence of landfill gas.</li><li>• If gas is detected seek professional advice.</li><li>• Be aware that as the waste depth increases, there is the possibility of increased landfill gas generation.</li><li>• Be aware of the possibility of landfill gas migration and the potential impact on belowground service trenches and structures.</li></ul>

### 6.23. Liquid Waste Management

The liquid waste ponds have progressively been developed in the south west corner of the site, with a total of five lined ponds having been installed. The facility licence enables the site to receive up to 7M litres (7,000 tonnes) of liquid waste annually.

The concept for the management of liquid waste is to operate the ponds purely as an evaporation system, with all liquid being contained within the lined area of the ponds. Ultimately the landfill is proposed to get to within 30 m of the pond facility.

The ponds are designed to go through a cycle whereby each pond receives liquid waste for a number of year (up to typically five years) and then once there is sufficient build up of solid residue in the pond such that its capacity is substantially reduced it is allowed to dry out for approximately 18 month and is then cleaned out and relined in preparation for the next cycle.

Each pond has been designed to receive approximately 2M litres of liquid waste per year. Once dry, the solid residue is excavated out and disposed of in the landfill. During this excavation process, the thin geomembrane liner will be damaged and hence also disposed of to landfill. On completion of the residue removal process, the pond is then relined with another disposable liner and made ready to receive more liquid waste.

In future, should the five ponds be insufficient to manage the quantity of liquid waste being delivered to the facility, there is the opportunity to develop further ponds to cater for the increased waste quantity; however, if the ponds are progressively developed down the valley line, as is the current situation, then this will restrict the proposed landfill development in this area. As an alternative, there is also the opportunity to marginally increase the size of each pond during the cleanout and relining process to provide additional storage and evaporation potential.

All five ponds have been positioned so that there is a natural fall from the top pond through all the ponds down to the final pond. This enables the system to be easily converted into a liquid waste stabilisation pond system whereby the liquid waste is "processed" by natural micro-organisms and algae to stabilise the liquid waste to a level where it can be safely discharged to the environment (subject to the appropriate environmental approval). Should, in future, a stabilisation pond system be developed, due consideration needs to be taken of the potential impact on the landfill of the discharge from the pond system.

#### Future Actions

- Monitor the performance of the liquid waste management ponds in comparison to the incoming liquid waste volumes and assess if ponds need drying or liner replacement as per licence and management plan.
- Should the pond system capacity need to be increased, either marginally increase the size of each pond and/or construct an additional pond; however, this will impact on the future development of the landfill.
- Should the ponds be converted to a stabilisation pond system, consideration needs to be taken of the potential impact on the landfill from the pond discharge.

## 7. Recycling Activities

In order to strive to comply with the Waste Authority's *Waste Strategy* (major consideration) and to reduce the quantity of waste sent to landfill (minor consideration), materials recycling activities could be improved and increased.

There are currently limited recycling activities on site, mainly concentrating around scrap metals, used vehicle tyres, engine oil, car batteries, e-waste and comingled recyclables. In addition, greenwaste is separated from the incoming waste stream and mulched for use in landscaping applications.

The Contractor retains the rights for all recycling activities including the revenue received from the sale of recyclables; this typically includes scrap metal and lead acid batteries. The Shire covers the cost of disposing or processing of non-revenue generating recyclable materials; this typically includes comingled recyclables, e-waste, mulching greenwaste, tyres and used oil.

Based on current contractual arrangements the Contractor receives the revenue from recycling activities. This is a positive situation as it encourages the Contractor to recycle particular materials. The negative aspect is that the Contractor is not incentivised to recycle non-revenue generating products. This limits the amount of material that is potentially able to be recycled on site.

If the Shire wishes to further proceed in the direction of increased recycling and reduced waste to landfill, then the Shire will need to cover the costs associated with the increased recycling activities. The costs associated with the vast majority of recycling activities are not covered by the revenue received from the sale of the recycled products (infrastructure, additional staffing, separation and handling costs, high transport costs, low/no revenue); consequently, to proceed in the direction of increased recycling and reduced waste to landfill the Shire needs to be committed to the cause and cover the costs associated with increased recycling activities.

Increased recycling and reduced waste to landfill is the cornerstone of the Shire's Strategic Waste Management Plan; however, any proposed future recycling activities need to consider the following aspects in order for the Shire to be in a position to fully assess the benefit of the proposed recycling activity:

- What downstream recycling/disposal facilities are available to receive the recycled materials;
- What is the long-term reliability of the downstream recycling/disposal facilities to continue to receive the recycled materials;
- Environmental benefit of diverting the material from landfill;
- The volume of landfill airspace saved;
- Recycling cost:
  - Likely gate fee that customers can be charged;
  - Separation, on-site handling and storage;
  - Material disposal (may be a cost or revenue):
    - Transport to downstream facility;
    - Disposal charge or revenue;

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- o Long-term variability of disposal cost or revenue;
  - Potential funding opportunities.

Based on the above information, the Shire can then make the decision as to whether there is a net benefit in undertaking the proposed recycling activity. In most cases, the net cost to the Shire becomes the primary determining factor in whether a recycling option is pursued.

Future Actions
<ul style="list-style-type: none"> <li>▪ Review the facility operating contract to encourage the Contractor to increase the range of materials being recycled or make the necessary changes when the contract is re-tendered.</li> <li>▪ The Shire to undertake or pay for additional recycling activities that are not cash positive.</li> <li>▪ Consider the net benefit of expanding the range of recycling options on site.</li> </ul>

### 7.1. Recycling Data

There is data available on the quantity of material being recycled at the Old Quarry Road the facility.

Table 7.1.1 - Annual Recycling Tonnage (from Section 5.3.2 above) provides the annual quantity of material diverted from landfill at the Old Quarry Road facility.

Table 7.1.1 - Annual Recycling Tonnage

Annual Recycling Tonnage	Annual Material Quantity
Greenwaste (mulched on site)	858 t
Scrap Metal	732 t
Tyres <sup>*</sup>	1,498 No. or 27 t
Waste Oil <sup>**</sup>	19,150L or 15.7 t
Car Batteries	7 t
E-Waste	11 t
Drum Muster Containers <sup>***</sup>	5,605 No. or 2.8 t
Comingled Recycling	37.44 t
<b>Sub-Total</b>	<b>1,690.94</b>

<sup>\*</sup> Conversion rates used are the LG Waste and Recycling Census values. Average tyre weight of 18 kg.

<sup>\*\*</sup> Conversion rate – 0.82 t/m<sup>3</sup>.

<sup>\*\*\*</sup> Conversion rate – average drum weight 2 kg.

## 7.2. Recycling Area

In order to improve recycling opportunities on site, it is recommended that a more formal, dedicated recycling area near the entrance to the site be developed and the range of recyclable options increased in comparison to current recycling activities. This should be the area within which residential and small commercial customers are encouraged to drop off all recyclable materials. There is also the option to have dedicated bulk metal, greenwaste and general waste drop-off areas within the site entrance infrastructure and the site operator then transfers the materials to the relevant areas on site. When determining the need for this transfer operation, the benefit of restricting public access to the remainder of the site needs to be weighed up against the additional effort on behalf of the site operator to transfer the bulk metal, greenwaste and/or general waste within the site.

The recycling area should be developed based on the type and quantity of recyclable materials that are being targeted. Due to the size of the landfill site and the size of the community that it supports, it is not seen as practical to develop an elaborate recycling solution at the site. A few bins or storage bays for selected recyclable materials and a few yellow wheelie bins for comingled recyclable packaging material would suffice. The yellow wheelie bins could then be incorporated into the normal kerbside collection activity.

As an additional activity a yellow wheelie bins swap system could be developed whereby residents that were not on the regular kerbside recycling route could swap full yellow wheelie bins for empty bins and the full bins incorporated into the normal kerbside collection activity.

The June 2008 Old Quarry Road Facility Management Plan proposed a concept design for a redeveloped recycling area at the entrance to the site. This overall concept and possible facility layout still remains valid; however, should the Shire decide to progress with the development of a recycling area, once the type of recyclable materials have been identified and the possible quantities estimated, then the facility layout can be formalised. An important factor is to determine a layout that enables the future expansion of the area to accommodate changes in recycling material types, quantities and storage mechanisms. Future flexibility is essential to accommodate within the facility design.

**Appendix No. 9 – Recycling Area** provides a conceptual layout of the proposed recycling area at the site entrance. A detailed plan of the recycling area will need to be developed depending on the range of services to be implemented by the Shire.

The ideal would be to construct a fence around the recycling compound to provide a physical demarcation of the area and security for stored products. The area inside the perimeter fence should to be maintained in a neat and orderly fashion, including active litter collection. This will encourage users to do the right thing and place the correct material in the appropriate location; hence, reducing the amount of clean-up required by the site operator.

***It is not the intention to simply collect as much recyclable material as possible. Recyclable materials should only be collected if there is a reliable and viable system in place for the removal, transport and delivery of the material to the appropriate processing facility or application.***

#### Future Actions

- Review the opportunity to develop a recycling area at the entrance to the waste management facility in conjunction with the recycling initiatives adopted by the Shire Strategic Waste Management Plan.
- Subsequently, budget sufficient funds to cover the cost of developing and operating the facility (this will be dependent of the range of services offered).

### 7.3. Second-Hand Goods

Currently there is no recycling of reusable material on site. It is recommended that the Shire consider the development of a simple second-hand goods shop within the recycling area at the entrance to the site.

A second-hand goods shop is an effective means to significantly reduce the volume of waste going to landfill. This is primarily due to the bulky nature of potentially tradable second-hand goods.

A second-hand goods shop would consist of a small roofed, secure area for the storage and display of material that has potential resale value. Waste being delivered to the site would initially be inspected for suitability for resale. If suitable, it would be received at no charge.

The collected material would be on display to the general public and sold at a nominal cost.

The range of potential items include:

- General household goods (furniture, pots, pans, books, picture frames);
- Building products (window frames, mirrors, sinks, baths);
- Motor vehicle and equipment spare parts;
- Bicycles;
- Garden mowers; and,
- Assortment of metal and plastic items.

Typically anything that has resale value would be on display. All revenue collected from the second-hand goods area could be used to offset the costs of running the facility. If there were a net profit from the second-hand goods shop, this could be used to offset the costs of recycling other materials.

In addition, a second-hand goods shop provides a popular community facility and increases community awareness of the importance of recycling.

#### Future Actions

- Review the opportunity to develop a small second-hand goods shop within the recycling area at the entrance to the site.



#### 7.4. Metal

Metal recycling covers the collection of ferrous and nonferrous metals. In order to maximise the value of the collected metals it is recommended to develop a small area dedicated to high-value metal such as copper, brass, aluminium and stainless steel, wet cell lead batteries and a larger area for the disposal of bulk metal. The security of the high-value metals needs to be considered as this material is often targeted by thieves.

The bulk metal disposal area could be located within or immediately adjacent to the general recycling area as opposed to the current solution of storing the collected material in the middle of the active landfill.

Once sufficient metal has been stockpiled a scrap metal merchant would be called to site to remove the collected material.

##### Future Actions

- Develop separate collection areas for bulk metal and high-value metal.
- Consider the security of the high-value metals.
- Investigate the potential of having both the ferrous and nonferrous area within or immediately adjacent to the main recycling area and not on the active landfill.

#### 7.5. Greenwaste

The current practice with regards to greenwaste management is to stockpile collected material separately and then once sufficient quantity has been accumulated, the stockpile is mulched. The mulched material is then made available to the community for use in landscaping. Currently, the demand for mulched greenwaste is greater than the available supply.

It is not recommended to change the greenwaste management methodology, as this solution, although coming at a cost (in comparison to burning greenwaste), provides a beneficial community service and diverts waste from landfill.

In striving for increased waste diversion from landfill, the site operator should concentrate on getting customers to separate and remove all greenwaste from the general waste before progressing to the landfill tipping area.

There is some confusion as to whether the facility operating licence allows for the burning of greenwaste, as there is a condition that states that the licensee shall not burn waste; however, there are definitions surrounding the burning of greenwaste. Currently, the Shire has no intention of burning greenwaste; however, in future, should this be a consideration, then there would need to be clarification sought from the DER or request that the licence be amended to allow for the burning of greenwaste (with the appropriate justification and management methodology).

As an improvement on mulching of the greenwaste, the Shire could consider developing a composting facility whereby the mulched greenwaste passes through a composting process to produce a value-enhanced product. The composting process will significantly increase the overall cost of managing greenwaste; however, the value-enhanced product would be sold to customers, with the revenue being received offsetting the additional composting cost. The Shire would only pursue this option if the business analysis clearly demonstrated that there was a cost benefit in composting the greenwaste. With the current mulching solution being relatively cost effective and all mulched greenwaste being removed from site, at this stage, it is not recommended that the Shire consider the composting option.

In consideration of future greenwaste management options, care is to be taken not to distribute invasive weeds throughout the site or region.

The Shire is to be aware that there may be a need to obtain the necessary DER licence amendment to operate an alternative greenwaste management system, in particular a composting facility.

#### Future Actions

- Continue to mulch greenwaste on site.
- Optimise the diversion of greenwaste from landfill.
- Potentially develop a greenwaste drop-off area within or immediately adjacent to the recycling area.
- Consider weed control as part a review of future options.

### 7.6. Future Improved Recycling

Improved recycling is a combination of improving the performance of existing recycling systems to increase the quantity of materials be recycled, as well as implementing new recycling options to increase the range of materials being recycled. Both of these outcomes increase the quantity of materials being diverted from landfill.

Should the Shire wish to proceed down the path of improved recycling, there is a range of options that can be considered, these could potentially include the following:

- Adjust gate fee structure to encourage recycling separation before waste disposal to landfill;
- Increased attention at the gatehouse to ensure recyclable materials are adequately separated from general waste;
- Implement new recycling systems, some examples include:
  - Yellow recycling bin swap system;
  - Increased range of recyclable material drop-off opportunities; and,
- Develop a second-hand goods resale system.

The majority of products that are currently recycled on site are handled in relatively small quantities and in a relatively informal manner. The general public are accustomed to the recycling of these products. Providing the necessary improved facilities on site will encourage recycling activity.

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The development of improved recycling facilities is to be carried out in conjunction with the aims and intentions of the Shire and ideally in accordance with the direction provided in the Shire's Strategic Waste Management Plan.

***It is not the intention to simply collect as much recyclable material as possible. Recyclable materials should only be collected if there is a reliable and viable system in place for the removal, transport and delivery of the material to the appropriate processing facility or application.***

#### Future Actions

- Assess the Shire support for improved recycling activity including an understanding of the associated costs, ideally in accordance with the Shire's Strategic Waste Management Plan.
- Only recycle materials that have a reliable and viable downstream system in place to receive the materials.

### 7.7. Hazardous and Problematic Waste

Hazardous and problematic waste, even in small quantities, has the potential to cause environmental harm or safety concerns. Consequently, an effort should be put in to reduce the amount of hazardous and problematic waste that is disposed of via landfill.

In a broad context, typically hazardous and problematic waste includes:

- Household chemicals;
- Industrial chemicals;
- Asbestos products (dedicated burial in the landfill is the preferred solution);
- Used oil (limited quantities currently collected);
- Paints;
- Medicines;
- Fluorescent light globes and tubes;
- Electronic and electrical equipment;
- Dry cell batteries including mobile phone and other electronic devices;
- Gas bottles and fire extinguishers;
- Fire detectors; and,
- Flares.

The methodology for the handling of hazardous and problematic waste types is primarily a function of the specific hazard or problem that the individual waste type presents to humans or the environment. As these waste types are diverted from landfill and collected at a recycling facility, specific handling methodologies need to be developed to ensure the appropriate handling and storage of the material. Typically, the different waste sources are stored separately depending on the waste type and downstream handling methodology. Secure weatherproof cabinets are the most common method of storing hazardous waste, while asbestos products are buried in the landfill.

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Significant information is available from the DER with regards to the appropriate handling methodologies for most hazardous and problematic wastes.

Once collected, the material needs to be securely stored either on site or in a Shire works depot to prevent inappropriate access to the material by members of the general public.

The Waste Authority, through the DER currently has a household hazardous waste disposal program running where the Shire can deliver the hazardous waste to a number of Perth Metropolitan or regional drop-off facilities no charge, the nearest being Toodyay. The Shire is to be aware that should this program cease, the disposal of hazardous waste can be an expensive activity.

It is noted that, in order to transport any accumulated Controlled Waste, which includes some hazardous and problematic wastes, the Shire needs to register as a Licensed Controlled Waste Carrier, which entails the vehicle (trailers or truck) and driver to be registered with the DER. The alternative is to contract out the transport of ant Controlled Waste to a Licensed Controlled Waste Carrier.

#### Future Actions

- Assess the extent of hazardous and problematic waste in the Shire.
- Develop an appropriate secure collection location at the Old Quarry Road facility.
- Ensure that Controlled Wastes are transferred by Licensed Controlled Waste Carriers.

### 7.8. Asbestos Waste

Asbestos is a hazardous waste material, which requires special handing when received on site. Consequently, the Shire has developed an Asbestos Management Plan specifically to ensure that asbestos is managed appropriately and in accordance with the requirements of the facility operating licence.

It is pointed out that the facility operating license states that asbestos may only be accepted on site if it is appropriately wrapped (double lined 0.2 mm thick plastic sheeting) and labelled ("Caution Asbestos" in 50 mm high letters). If partially wrapped or unlabelled asbestos is delivered to site, it is deemed preferable to accept the material and provide the necessary materials to the Customer to suitably wrap and/or label the asbestos as opposed to rejecting the asbestos; hence, this activity, although not specifically covered in the operating licence, is covered in the Asbestos Management Plan.

Appendix No. 10 – Asbestos Management Plan provides a copy of the plan.

#### Future Actions

- Regularly review Asbestos Management Plan and on-site asbestos operating procedures for relevance and effectiveness.

## 8. Landfill Available Airspace

### 8.1. Airspace Consumption

Current landfilled waste tonnages are estimated to be in the order of 17,200 tonnes per year. This will increase to approximately 30,000 tonnes over the next 20 years (2028/2029), which averages out at approximately 23,500 tonnes per year. Based on an anticipated waste density of approximately 0.75 t/m<sup>3</sup>, this equates to approximately 31,300 m<sup>3</sup> of landfill airspace consumed annually over the next 20 years.

### 8.2. Available Airspace

The landfill available airspace is based on a combination of completing existing landfilled areas to achieve the desired final waste profile and future expansion up the valley to within 30 m of the liquid waste ponds. There will also be a degree of excavation then filling of new, undisturbed areas of the valley.

Based on the proposed final landform as a single domed shape over the full extent of the available site, it is calculated that there is approximately 480,000 m<sup>3</sup> of available airspace remaining on site.

At current landfill annual tonnage and increasing at 2.9% per annum, the landfill should reach maximum capacity within approximately 15 years (2032).

Monitoring of airspace consumption by occasional topographic surveys will provide detail on exactly how much airspace is being consumed. This will then provide ongoing updates as to the life expectancy of the landfill facility.

At current waste quantities, it is advisable to undertake topographic surveys of the areas of waste placement at least every three years. This will enable the Shire to assess more accurately the rate of filling and hence confirm the remaining life of the landfill.

**Appendix No. 3 – Final Landform and Perimeter Drain Layout Plan** provides detail of the proposed final landfill profile.

The Shire has previously investigated the option of developing a landfill in the adjacent valley to the south east of the existing landfill. Should this occur, the ultimate closure of landfill activities on site may be delayed by many years.

With an anticipated 15 years of remaining landfill airspace on site, the Shire needs to be aware that a replacement landfill site may take up to five to seven years to identify, secure, approve and develop; hence, there is a need for significant forward planning in order to secure an alternative landfill site by the time the existing facility reaches maximum capacity. However, should the Shire opt to contract out the disposal of waste to another landfill facility, then provided that there are suitable available options, the forward planning component is less onerous.

#### Future Actions

- Undertake topographical survey of the landfill area at least every three years in order to assess airspace consumption.
- Compare airspace consumption with forecast airspace consumption in order to more accurately determine the life expectancy of the landfill site.
- Consider future landfill or waste disposal options beyond the life of the existing landfill facility.
- Within approximately seven years of planned landfill closure, commission a business study for future landfill capacity and disposal location(s).

## 9. Landfill Capping and Closure

### 9.1. Environmental and Social Impact

The environmental and social impact of the closed landfill is a function of the type and quantity of waste contained within the landfill, the quality of landfill closure and the distance from the facility to the nearest receptor(s).

The Old Quarry Road Waste Management Facility is located approximately 3.5 km west of the town of Northam and 20 km south east of the town of Toodyay, off Toodyay Northam Road. The nearest farmhouse is approximately 1,000 m to the north west of the landfill. There is also the CBH grain depot approximately 350 m to the north. These are the primary receptors within the 1,000 m buffer zone around the landfill. There is a residential subdivision 2 km to the east of the site, which is the start of the Northam town site. The landfill site is surrounded by cleared agricultural land and to the south east a portion of the property boundary abuts native bushland.

Based on the topography of the landfill site it is anticipated that the localised groundwater movement would be in a north easterly direction down the valley. The valley line extends approximately 1.4 km in a north, north easterly direction until it meets the Avon River, including flowing through the CBH depot. and railway yard.

Surface water from the site flows down the valley line and exit the north east corner of the site following the natural watercourse down to the Avon River; however, the watercourse is highly disturbed, with a significant portion of the upstream catchment being contained within the stormwater retention pond uphill of the landfill, surface water flowing from around the landfill is retained within the stormwater retention pond below the landfill and there is a further large stormwater retention pond associated with the CBH depot. In addition, the CBH railway yard has been developed across the natural watercourse prior to it entering the Avon River. During the rainy season, the stormwater retention ponds provide an opportunity to monitor the contamination levels within the stormwater exiting the site.

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The environmental impact to the watercourse beyond the site will be highly dependent on the quantity of surface water flow leaving the landfill and the contamination level thereof. Due to the on-site stormwater diversion and retention ponds and the fact that surface water would only exit the site under extreme weather events (no surface water has flowed out of the lower retention pond in the past ten years), any escaping water would be highly diluted and would be further diluted by other inflows into the valley line from the surrounding areas; hence, it is most unlikely that there would be any negative off site impact.

No detailed assessment of the groundwater flow direction or speed has been undertaken. However, it can be presumed that the local groundwater flow follows the overall topography and flows parallel to the valley line. With the underlying geology consisting of fractured rock and clay of low permeability, the groundwater flow would be extremely slow moving. Any groundwater contamination emanating from the landfill activities is likely to move extremely slowly in a north easterly direction down the valley line. With 1.4 km to the Avon River, it is anticipated that the groundwater will take many years to reach this receptor. By this time any contamination would have been naturally attenuated; hence, there is no groundwater impact anticipated.

Due to the relatively small size of the landfill, the environmental management activities undertaken on site and the distance to the nearest receptor(s), it is not anticipated that there would be any noticeable environmental or social impact as a result of the waste management activities on site.

In order to minimise the potential environmental impact to the adjoining properties, the site operator is to concentrate on the following operational activities:

- Stormwater control, diversion and retention;
- Contaminated surface water containment;
- Waste compaction;
- Adequate cover material placement; and,
- Progressive closure of completed portions of the landfill.

Future Actions
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- |  |
|--|
| <ul style="list-style-type: none"><li>• The operation of the landfill facility is to include adequate stormwater control, waste compaction and cover and capping material placement.</li></ul> |
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## 9.2. Options for Site After-Use

As mentioned above, the Shire has previously investigated the option of developing a landfill in the adjacent valley to the south east of the existing landfill. Should this occur, the ultimate closure of landfill activities on site may be delayed by many years; however, ultimately there will come a time when landfilling activities will cease and options for site after-use need to be considered.

Due to the semi-rural location and disturbed nature of the site; hence, relatively low land value, there is no incentive to spend excessive capital on developing the site for a specific high-value end use.

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Potential options for after-use include:

- Public open space;
- Walking/riding trails;
- Community facility;
- Future waste management facility (excluding landfill); and,
- Nature strip.

With the landfill being surrounded by natural vegetation, albeit relatively sparse and predominantly within the site internal buffer, the closed landfill area could be rehabilitated to blend back into the natural bushland background; however, due to the site being predominantly surrounded by cleared agricultural land and the Great Eastern Highway to the east, it is unlikely that the site will be of any significant community recreational value.

Due to the historical land use being waste management and the fact that should the landfill facility be closed down (reach maximum capacity), depending where the Shire landfill waste was to be sent to, there may be a need for the Shire to develop a local transfer station. If this were the case, then there is significant benefit in continuing to use this "brown field" site for waste management activities. The future as a waste management facility is to be determined by the future waste management needs of the community.

Depending on the extent of future waste management activities and space availability, the preference is not to use the areas of previous waste placement for future activities (due to potential waste settlement). The landfilled areas should be capped off and revegetated.

The most appropriate after-use for the closed landfill site is to be used as a waste management facility for the local community. This could potentially include:

- Waste transfer station;
- Second-hand goods shop;
- DrumMuster collection point;
- Materials recycling (plastic, metal, glass, paper, cardboard etc);
- Household hazardous goods collection; and,
- Greenwaste processing.

As part of the proposed future development of the Old Quarry Road Waste Management Facility, all of the above uses have been included in the planning. These activities only require a relatively small portion of the overall site. It is likely that the post landfill closure activities on site will continue to concentrate around waste transfer and recycling. The previously landfilled areas will simply be rehabilitated and left to blend back into the natural surrounds.

Future Actions
<ul style="list-style-type: none"><li>• Prior to the closing of the landfill activities, assess the community need for future waste management activities on site.</li><li>• Future site uses and development should not occur on the landfill footprint.</li></ul>



### 9.3. Infrastructure Requirements

The majority of the infrastructure requirements for turning the site into a comprehensive waste management facility will progressively be developed over time while the landfill is still in operation.

It is anticipated that as recycling and waste minimization takes precedents over traditional landfill, that the majority of the necessary infrastructure will be developed based on recycling and waste minimization needs and not necessarily because the landfill is being closed.

Depending on the future waste residue disposal options in the area (other commercial landfills or future regional landfill), a waste transfer station may be needed once the landfill is closed. This is seen as the only specific infrastructure that will be required to be installed as a result of the landfill being closed.

#### Future Actions

- The majority of the necessary site infrastructure will be progressively developed for recycling and waste minimisation needs while the landfill is still operational.
- A waste transfer station may be needed once the landfill is finally closed.

### 9.4. Site Preparation

During normal landfill operations, areas of previous waste disposal would have been progressively closed off and the landfilled waste covered over. This would have adequately prepared and covered most, if not all exposed waste. To achieve this, once waste placement has ceased in an area and the final profile obtained, the waste surface then needs to be compacted and flattened by the waste compactor. This will ideally fill in as many voids as possible in the waste mass. Providing a relatively smooth, rolled surface will reduce the quantity of cover material needed to develop a suitable capping layer. If the waste mass is left with large voids, the cover material will simply infiltrate into the waste and require additional cover material to be applied. Any weeds in the area to be capped need to be sprayed 14 days before the application of any cover or capping material.

Prior to the final capping and closure of the last portion of the landfill site it is necessary that a general clean-up be undertaken. This should typically have occurred as part of normal landfill operations; however, a final clean-up and inspection should be undertaken. Any collected waste material can be disposed of into the landfill prior to it being closed.

Weed control in the vicinity of the landfill is to occur prior to the final closure of the facility and for an extended period thereafter. The length of the weed control period will be a function of weed infestation and the success of the weed control program.

On completion of all post-closure construction activities, all redundant access roads should be removed to restrict access to the rehabilitated areas.

#### Future Actions

- Site clean-up.
- Final capping, closure and rehabilitation of previously landfilled areas.
- Removal of redundant infrastructure (old access roads).
- Restricted access to rehabilitated areas.
- Ongoing weed control.

### 9.5. Final Contours

The intended use of the site once the landfill has reached maximum capacity is to continue as a waste management facility; however, it is not proposed that any development occur directly on the capped landfill area. Therefore there are no specific after-use related requirements for the final capped profile. The ultimate final contours are a function of optimising available landfill airspace, ensuring a long-term sustainable capped profile over the waste and adequate control of surface water runoff.

The cap profile is to be designed to form a ridge running up the valley line and have a maximum slope of approximately 1 (vertical) to 5 (horizontal) perpendicular to the valley line and a very gradual sloping longitudinal ridge line being a function of the valley width and perpendicular slope angle. Typically a cap of minimum of 1 m (ideally 1.5 m) thick will be placed over the waste. The 1 in 5 perpendicular slope is seen as an acceptable maximum slope to achieve stormwater runoff without resulting in excessive soil erosion of the cap surface.

During decomposition and subsequent settlement of the waste mass, portions of the cap surface will gradually reduce in height and hence the cap slope will decrease, however, due to the relatively steep cap slope (1 in 5), the marginal change in slope will not negatively impact on the cap ability to shed excess surface water; hence, the impact of any settlement can be ignored.

Care has been taken to minimise the flat areas on top of the cap profile, as these areas generally occur at the point of the deepest waste mass and hence are prone to the most settlement resulting in depressions forming in the cap profile which will collect stormwater and result in excessive leachate generation.

**Appendix No. 3 – Final Landform and Perimeter Drain Layout Plan** provides details of the proposed capping layer section and contours of the final waste profile. The final waste profile contours are to be progressively developed as part of the landfilling activity and then the capping layer constructed as part of the continuous closure program. It is proposed that the waste mass be formed to the design contour levels, with the cap being placed on top, adding an additional minimum 1 m to the landform height.

#### Future Actions

- Cap profile to be a maximum of 1 (vertical) to (5 horizontal) perpendicular to the valley line.
- Waste settlement can be ignored.
- Final contours to ensure sufficient stormwater runoff without causing excessive cap erosion.
- Minimise flat areas on top of the cap profile.
- Continuous closure program as waste reaches final design profile.

### 9.6. Closure Capping

The final result of the closure capping is to provide an environment that is long-term sustainable and that will not need resurfacing in the future. Any maintenance and resurfacing work carried out on the cap will result in machines having to drive over the vegetated surface, thus usually resulting in significant damage to the surface and hence a long time for the vegetation to recover. If this work is done during the wet season and the cap surface is soft, the vehicle damage is usually greater than if the work was carried out in summer.

### 9.7. Continuous Capping

It is essential that the landfills be progressively capped as the waste reaches the final waste profile and the capping not be left to the end of the landfill life. The benefit of continuous capping include:

- Progressively closing off portions of the site;
- Increased ability to shed surface water off the landfill and hence reducing the quantity of leachate being generated;
- Reducing the ongoing closure liability costs for the landfill as these costs are incurred progressively through the life of the landfill;
- Using the capping costs as a guide to assist the Shire to determining what closure reserves will be required towards the end of the life of the landfill and during the post-closure period;
- Reduced litter generation; and,
- Improved aesthetics.

### 9.8. Landfill Gas

There is no evidence of any discernable volume of landfill gas being generated within the landfill waste mass. The landfill capping system does not need to be specifically designed to accommodate landfill gas capture.

The landfill capping soil layer has an ability to oxidise some methane as the landfill gas passes through the cap and hence reduce the emissions from the landfill. The degree of emissions will depend on the quantity of landfill gas being emitted and the thickness of the landfill cap.

### 9.9. Surface Preparation

Once waste placement has ceased in an area and the final profile obtained, any weeds need to be sprayed 14 days before the application of any capping material. The waste surface then needs to be compacted and flattened by the waste compactor. This will ideally fill in as many voids as possible in the waste mass. Providing a relatively smooth, rolled surface will reduce the quantity of cover material needed to develop a suitable capping layer. If the waste mass is left with large voids, the cover material will simply infiltrate into the waste and require additional cover material to be applied.

### 9.10. Capping Layer Profile

The proposed capping layer profile consists of a single soil layer placed on top of the finished waste profile.

It is not proposed that a layer of topsoil be utilised as this is not the naturally occurring situation in the local environment and will primarily promote weed growth. Native vegetation is adequately surviving in the surrounding environment and hence replicating these environmental conditions should be sufficient to sustain native vegetation on the landfill capped areas. By the addition of a topsoil layer, weed species will thrive to the detriment of the native vegetation.

The exception being, if there is a seed bank of cleared material from the undisturbed portions of the site or other sites in the region, this should be spread on the cap surface. However, weed infestation is still a major concern and should be closely monitored.

### 9.11. Capping Material

#### 9.11.1. Purpose

The intention of the waste cap is to provide a long-term sustainable barrier between the waste and the environment. The capping material is not necessarily required to "entomb" the waste as moisture assists in the waste decomposition process and hence allowing controlled amounts of water through the cap is beneficial to the long-term overall stability of the closed landfill.

The intended purpose of the landfill cap includes:

- Provision of a barrier between the waste and the environment;
- Control of moisture ingress;
- Provides a habitat for the establishment of native vegetation;
- Control of erosion of the cap material;
- Prevent vermin access to the decomposing waste;
- Control odour emissions;
- Encourage excess stormwater runoff;
- Divert water from the area of waste placement;
- Ability to accommodate waste settlement;
- Oxidise limited amounts of landfill gas (if present); and,
- Improved aesthetic appeal of the site.

### 9.11.2. Natural Soil

From on-site observations, the natural soil in the immediate area of the site (and the majority of the region) is fine-grained, brown clayey soil underlain by fractured granite outcrops and hence has a relatively low permeability. This soil is well suited as landfill capping material. This is based on the following:

- The natural soil allows surface water to slowly permeate into the cap and be absorbed and retained in the cap (to sustain the vegetation cover). Excess moisture will either pass through the capping layer into the waste mass or be shed off the surface of the landfill;
- Is suitable for vegetation to establish on the surface (moisture retention); and,
- Wind and water erosion can be managed.

Within the immediate area of the landfill, there is generally only a thin layer of soil before fractured granite is encountered. Consequently, there is insufficient suitable soil available on site to adequately cover and cap the final waste surface. Hence, there is a need to source additional quantities of suitable capping material, ideally from the local area, in order to progressively cap the waste mass.

It is preferable that, what on-site soil is available, be utilised as landfill capping material in preference to regular waste cover material. The native vegetation is thriving in this soil; hence, it is better to use this material in the final cap and imported material as regular cover material (which may be less suitable for sustaining the native vegetation).

The facility licence stipulates a minimum cap thickness of 1 m (Condition 4(ix)). This is deemed the absolute minimum thickness, ideally a 1.5 m cap should be installed. This will allow the cap to absorb and retain a portion of the rainfall while the majority of the surface water is shed off the landfill into the perimeter drains; hence, reducing the volume of stormwater entering the waste mass.

During the operation of the landfill the Shire is to actively source waste cover material and suitable capping material from off-site locations. The selection of the capping material should be based on the soil compatibility with the naturally occurring soils on site, low permeability, non-contaminated and not containing significant weeds or foreign vegetation. Depending on the quality of off-site capping material, the cap thickness may need to be adjusted to accommodate a higher permeability soil. Typically the cap will be a minimum of 1 m thick for clayey material and increasing to a minimum of 1.5 m thick if higher permeability soil is used. In general, the naturally occurring soils in the area are similar to the on-site soil; hence, in most cases, the off-site material should be suitable for capping material in the order of 1 m thick. If there are different types of soil used in the cap, where possible, the soils should be blended to achieve a uniform soil type to prevent there being cap areas with distinctly different soil characteristics as this will affect the water balance and vegetation growth.

Where possible, it is preferable to use on-site soils in the cap as these are the soils that the surrounding native vegetation is thriving in and hence the cap rehabilitation using native vegetation will be far more successful than using imported soils, unless they are sourced locally and hence of similar soil type.

When progressively constructing the final cap, there is no need to attempt to compact the cap material other than what is achieved via the placement machinery tracking over the surface during the material placement and spreading operation. From a rehabilitation point of view greater vegetation survival and growth will be achieved if the soil is only lightly compacted.

The overall ridged shape of the cap will shed some of the stormwater off the cap and away from the landfilled waste areas. The cap material, being of low permeability and uncompacted, will absorb an amount of stormwater, some of which will pass through the cap and into the waste mass and the remainder will be utilised by the vegetation on the cap. Over time, as the vegetation growth increases the amount of water being utilised by the vegetation will increase and hence the amount of water passing through to the waste mass will decrease.

A shortfall with the on-site capping material is that it contains very little organic matter and hence will not necessarily actively support the rapid development of a vegetated cap. However, any topsoil application will actively promote weeds, which will outperform the native species; consequently, it is better to not have any topsoil and rely on the slower growth of native species without the impact of excessive weed growth.

There should be no use of composted mulch in the cap as this will again simply promote weed infestation and potentially provide too many nutrients in the soil and negatively impact on the survival and growth of native plant species. A limited amount of woody mulched vegetation (non-composted) can be used in the cap to improve stability, reduce surface erosion and increase methane oxidation (if present). Ideally this mulched vegetation is from on-site clearing activities (additional seed bank) and not from off-site sources, which are likely to contain excessive weeds.

With the landfill being located within an area of natural bushland and not having a wide buffer zone between the waste and the surrounding native vegetation, there is a supply of native species that will slowly encroach over the capped surface. Providing a stable cap, initial planting and seeding of shallow-rooted native plant species and weed control will be all that is necessary to promote the long-term vegetation growth over the capped landfill. Over time, the site should return back to its natural condition prior to landfill development.

During the clearing of areas for future waste cells, the topsoil from the cleared areas should be used on the capped areas as it is the natural soil in which the surrounding plants are growing and will also contain a significant seed bank to promote initial vegetation growth. There is only minor clearing associated with future waste cells; hence, this is not a significant closure consideration.

**Appendix No. 3 – Final Landform and Perimeter Drain Layout Plan** provides detail of the typical cap layer works design.

#### Future Actions

- Final cap depth to be a minimum of 1 m, ideally 1.5 m.
- No compaction of capping material.
- Limited amounts of mulched vegetation matter can be used in the cap (ideally from on-site clearing activities).
- No composted mulch material to be used.
- Care is to be taken not to import weed species onto site.

#### 9.11.3. Imported Capping Material

Due to the limited quantity of available onsite-excavated material, there will be insufficient cover and capping material; hence, there will be a need to import additional material. It is preferable to use the imported material for regular waste cover material and the naturally occurring material for final capping material.

If imported capping material is required, ideally, this material should be sourced from the local environment, as this is the soil that the native vegetation is growing in. If soil is imported from afar, it may be that the native vegetation will not survive in that soil type or struggle to survive and hence leave a cap that will always look like a "capped landfill" and not blend into the natural surrounds.

If the imported soil is sourced from different locations, where possible it should be mixed to achieve a homogeneous blend. This will provide a more consistent soil type across the landfill and hence there is more likely to be uniform vegetation growth on the capped surface and hence a more natural appearance.

#### 9.12. Landfill Cap Thickness

Based on the intended purpose of the landfill cap, there are various minimum thicknesses of cap that would be required to achieve the various outcomes.

- Provision of a barrier between the waste and the environment – a cap thickness of approximately 1 m would be sufficient to prevent any waste from being exposed to the surface environment. An important aspect is to prevent wind and surface water erosion from gradually reducing the depth of the cap and ultimately exposing the waste. Establishing a comprehensive vegetation cover is the best way to control wind and surface water erosion.

- Control of moisture ingress – the degree of moisture passing through the capping layer into the waste is a function of the rainfall intensity, landfill slope, cap thickness, the capping material type and the degree of vegetated cover. The rainfall intensity and the landfill profile are a given, there is flexibility to control the moisture ingress by designing the appropriate capping material, cap thickness and achieving a suitable cover of vegetation. The material type will influence the moisture retention within the cap and hence the cap thickness. If fine cohesionless sand is used for the cap, the cap would be highly permeable and a significant quantity of moisture would pass through the cap; however, if clayey capping material was used the permeability of the soil would be reduced and hence, the water retention in the cap would be increased. With the retention of moisture in the cap the vegetation would have a far better chance of survival. The thriving vegetation cover would consume the moisture and further prevent it from entering the waste mass. To accurately determine the moisture retention capacity of the soil, laboratory analysis would need to be undertaken.
- Provides a habitat for the establishment of native vegetation – the ability of the vegetation to survive on the cap will be a function of the water retention capacity of the cap. With more water retention, there would be a greater range of plant species that would survive on the landfill cap. Typically, the landfill cap would ideally need to be approximately 2 m thick to sustain a broad range of plant species.
- Control of erosion of the cap material – this is a matter of retaining the cap thickness. Ultimately the soil cap needs to be marginally thicker than the minimum requirements to allow for some erosion to occur until the cap stabilises and the vegetation cover is established.
- Prevent vermin access to the decomposing waste – Typically a cap of 1 m would be sufficient to act as a barrier to prevent vermin from scavenging into the waste.
- Control odour emissions – odour in a closed landfill is a primarily function of fugitive landfill gas emissions. The landfill does not contain significant quantities of landfill gas and hence is most unlikely to have an odour problem. Consequently, a 500 mm cap would be sufficient to provide a thin oxidation zone through which to oxidise any fugitive gas emissions.
- Encourage stormwater runoff – the closed landfill profile is a given (relatively flat grades). The landfill cap thickness will have no impact on the stormwater runoff capacity; it will simply follow the shape of the waste profile below.
- Divert water from the area of waste placement – again, the closed landfill shape is a given, with the surface water flowing in a particular direction. The landfill cap shape (thickness) could be used to slightly influence where the surface water flows.



- Ability to accommodate waste settlement – it is likely that over time (10 to 15 years), there will be areas of landfill that will subside/settle as the waste breaks down, this settlement could be in the order of 15% to 20% of the waste depth; however, due to the low annual waste tonnage landfilled and the consequential slow progression of the landfill, the vast majority of the waste settlement will occur prior to the final waste profile being achieved; hence, the landfill cap will only need to accommodate minor waste settlement. A landfill cap of approximately 1 m thick would be easily able to accommodate the minor amount of differential settlement that is anticipated to occur. The repair of the cap is relatively easy, as the settlement void would simply be filled with additional clayey soil.
- Oxidise limited amounts of landfill gas (if present) – a cap of typically 500 mm thick should be able to oxidise the minimal concentration of landfill gas emitting through the cap. Over time this landfill gas will decrease in quantity and hence the need for oxidation reduced.

Even though the facility licence stipulates a minimum 1 m capping layer thickness, the maximum thickness of the cap will be a function of vegetation survival and not an aspect of waste management need. Consequently, the cap should ideally be approximately 1.5 m to 2 m thick; however, this is not always achievable due to a shortage of capping material and the cost of installation.

If a thinner cap (<1.5 m) is utilised it will suffice but is likely that this depth of cap will be less sustainable. A broad range of vegetation will not adequately survive and hence, in time the cap vegetation is likely to only consist of a few shallow rooted species and grasses. The capping material may be subjected to excessive erosion (wind and water) and ultimately the landfill cap may need to be reinstated at sometime in the future (at significant additional cost).

As a minimum (licence condition), the cap is to be 1 m thick; however, ideally 1.5 m thick to sustain a more diverse range of vegetation species.

### 9.13. Vegetation

Native vegetation should be used on the landfill cap. The primary reason is that the native vegetation is currently thriving around the site, once established, the capped landfill surface would blend into the natural environment.

When selecting plant species it is preferable to select a range of shallow rooted plants and shrubs, ideally similar to the surrounding vegetation on site.

Ultimately it is a matter of trial and error as to see which plant species survive on the landfill capping surface. Initially it is advisable to try a wide range of species and then over time (a number of years) the stronger species will outperform those that are not suited to the landfill capping environment.

If deeper-rooted species are tried on the cap or are seeded naturally, it is likely that they will survive adequately for a few years until their demand for moisture is greater than the moisture retention capacity of the capping layer and then the plants will start showing signs of stress and ultimately die off. It may be that if sufficient moisture is retained within the stabilised waste mass that a few of the deeper-rooted species may survive. There could be some areas of the cap where localised thickening of the capping layer (by a few metres) will facilitate the planting of some deeper-rooted plant species.

It is preferable to broadcast seeds across the landfill cap as opposed to planting tube stock. The primary advantage is that a significantly larger number of seeds can be applied to the landfill cap for the same cost as would be applicable to a far smaller number of tube stock. Experience on other landfill caps has indicated that within two years it is difficult to identify which plants originated as tube stock or seeds. Ideally the seeds utilised will be collected from the local environment, either from the site or local native bushlands.

Once the landfill capping works and rehabilitation have been completed, the area is to be barricaded off to prevent vehicle access and disturbance by human activity.

During the early stages of the rehabilitation phase, it is essential that the perimeter fence surrounding the landfill site be maintained to prevent fauna from entering the site and feeding on the young seedlings.

#### Future Actions

- Utilise shallow-rooted native vegetation for landfill cap rehabilitation, ideally from local seed collections.
- Localised thickening of the cap for deeper-rooted species.
- Choice of plant species and planting density to be consistent with surrounding bushland.

#### 9.14. Construction

Site preparation prior to capping material placement should include:

- Spraying of weed 14 days before the works commence; and,
- Rolling/flattening exposed waste.

When constructing the cap, there is no need to attempt to compact the cap material other than what is achieved via the placement machinery tracking over the surface during the material placement and spreading operation. From a rehabilitation point of view greater vegetation survival and growth will be achieved if the soil is only lightly compacted.

The capping material is simply to be spread out over the landfill surface, to the required thickness. The cap has been designed as a single layer and hence there is no need for placing the material in a number of layers. It is more efficient to place the full cap thickness in a single operation. This also limits the amount of compaction applied to the soil by the construction equipment and hence provides a better growing environment for the cap vegetation.

If a seed bank of scrapings is available from adjacent landfill expansion, it should be spread out on top of the cap.

### 9.15. Surface Water Management

The landfill is located within a valley, which generates surface water flow during periods of heavy rainfall. The landfill has effectively blocked the surface water flow down the valley and has resulted in the need to construct surface water drains along the perimeter of the landfill to enable stormwater generated above the landfill and from off the capped landfill surface to be diverted around the landfill and back into the natural valley line. Adequate stormwater management on site is important in ensuring that stormwater is diverted away from the areas of previous waste placement.

The cap profile and thickness has been designed to allow surface water infiltration into the capping layer. This is a desirable situation as there is a need for moisture to be retained within the capping material in order to sustain the vegetation planted on top of the landfill cap. In periods of heavy rainfall it is likely that there will be some runoff from the capped areas and also a limited amount of moisture seeping through into the waste mass. Initially, when the plants are relatively small and only require a small amount of moisture some excess moisture will percolate through the landfill cap and enter the waste mass. However, in time as the plants grow and they consume more and more moisture, less water will end up in the waste. The ideal situation is that the vegetation consumes all moisture within the landfill cap and no water ends up going into the waste.

Due to the relatively gentle slopes on the landfill cap, it is unlikely that there would be any significant surface water run-off from the capped landfill surface except in heavy rainfall events. In this circumstance, the runoff is to be directed away from the capped surface and into the perimeter drain surrounding the landfill, which has been designed to collect all surface water runoff from the previously landfilled area as well as collecting any surface water flow originating from areas above the landfill.

**Appendix No. 3 – Final Landform and Perimeter Drain Layout Plan** provides details of the surface water drainage system.

Provided that the post-closure works are constructed in accordance with post-closure design there should be no contaminated surface water leaving the closed landfill site and negatively impacts on downstream receptors.

Future Actions
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| <ul style="list-style-type: none"><li>▪ Adequate stormwater management can be achieved by constructing the post-closure works in accordance with the post-closure design intent.</li></ul> |
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### 9.16. Groundwater Management

Capping and revegetating the landfill surface will decrease the quantity of rainfall percolating through the waste mass and hence decrease the quantity of leachate generation. This will ultimately have less impact on the groundwater than is currently occurring.

### 9.17. Environmental Protection

The potential environmental impacts associated with the closed landfill are anticipated to be extremely minimal if any. This is due to:

- The relatively small quantity of waste disposed of at the facility;
- The type of waste disposed of at the facility;
- The distance from the nearest receptors;
- The capping material depth;
- Natural clay soils;
- The distance from the nearest perennial water courses;
- The site being located within a general agricultural area; and,
- The diversion of stormwater from the previously landfilled areas.

With the landfill areas being closed in accordance with the design and intention of this plan, it is not anticipated that there will be any adverse environmental impacts emanating from the closed landfill.

Future Actions
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| <ul style="list-style-type: none"><li>• Adequate environmental protection can be achieved by the landfill areas being closed in accordance with the post-closure design intent.</li></ul> |
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### 9.18. Site Monitoring and Maintenance

Site monitoring is to be undertaken beyond the closure of the landfill to ensure that the closure measures adopted as part of this plan are providing an ongoing, sustainable environmental solution.

Site monitoring is to include:

- Monitoring of erosion and settlement of the cap;
- Monitoring the performance of the stormwater management system;
- Monitoring of surface water;
- Monitoring groundwater;
- Monitoring of vegetation rehabilitation success; and,
- Monitoring of weed infestation.

Initially, site monitoring should occur as a minimum bimonthly for the first year after closure. During the first wet season and particularly after heavy downpours the site should be monitored fortnightly or more regularly if needed. Beyond the first year, the monitoring frequency can be reduced. Typically Year 2, quarterly monitoring and beyond that six monthly monitoring should be adequate.

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With the site after-use proposed as an ongoing waste management facility, there will be permanent attendance on site by contractors or Shire employees; hence, site monitoring can easily be carried out on a more regular or as required basis.

Should the monitoring identify a deficiency in the proposed closure methodology, then the methodology needs to be modified to suit the on-site conditions and implemented in the next tranche of closure works. With many years of closure work still to occur on the site, the landfill closure techniques can be perfected so that the resultant capping is long-term sustainable.

Future Actions
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| <ul style="list-style-type: none"><li>• Ongoing site monitoring to ensure that the closed landfill is performing in accordance with the intent of the post-closure management plan.</li><li>• Year 1 – bimonthly site monitoring, with increased wet season frequency.</li><li>• Year 2 – quarterly site monitoring.</li><li>• Year 3 and beyond – six monthly site monitoring.</li></ul> |
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### 9.19. Post-closure Period

The closed landfill is not anticipated to have any adverse environmental or social impacts. For this reason the ongoing site monitoring is simply to determine the sustainability of the measures proposed in this plan.

It is anticipated that an active post-closure period of approximately five years will be sufficient to determine the effectiveness of the post-closure measures implemented. This will provide sufficient time for the landfill cap and stormwater system to stabilise, vegetation to establish on the cap surface and the landfill area to gradually be returned back to natural bush. Groundwater monitoring may be one aspect that requires to be monitored beyond five years, with the actual duration being a function of groundwater contamination levels and the environmental impact thereof.

With the landfill site being progressively closed the vast majority of closure monitoring will occur while other portions of the site are still being used for landfill activities. It will only be the last landfill portion that will be closed and capped post landfill operations; hence, only a relatively small area of the site would need monitoring beyond closure.

Future Actions
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| <ul style="list-style-type: none"><li>• Active post-closure period of approximately five years.</li></ul> |
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## 10. Financial Implications

There will be financial implications with regards to the closure and ongoing management of the closed landfill areas. With progressive closure, these costs are incurred over a number of years and it is difficult to distinguish between facility operating costs and landfill closure costs.

Initial closure costs relate to cleaning up the site or portion of the site being closed, establishing the final capping layer, the permanent removal of access roads and any other infrastructure that is not required post the closure of the landfill. The main cost associated with the closure activity is the supply of capping material, which is primarily a function of the availability of suitable material. During the initial stages of progressive closure, on-site generated cover material will be available; however, for the majority of the capping requirements, there will be a need to import suitable material, potentially as substantial cost, depending on the transport distance. The other closure activities are relatively minor in comparison.

Once the landfill (or a portion on the landfill) has been closed, there will be a requirement to fund the ongoing monitoring and maintenance of the capped area. The repair of eroded areas will incur the most cost due to the need for soil fill and earthmoving equipment (hence the importance of constructing the cap properly the first time). In comparison, the remaining site monitoring activities are not anticipated to be a major financial burden to the Shire.

There is ample opportunity for the Shire to assess the actual progressive closure and post-closure monitoring costs during the active (revenue generating) stage of the landfill and hence be in a position to allocate adequate funds to cover the final closure and post-closure costs once the landfill ceases operating.

With only 15 years of remaining landfill life, it is essential that the Shire continue to accrue reserves for the final closure and post-closure costs. The true closure and post-closure costs are best estimated by gaining an understanding of the actual progressive closure and post-closure costs incurred on site. It is absolutely critical that the landfill be progressively closed as portions attain the final waste profile and that there is no future closure and post-closure liability built-up due to not progressively closing completed portions of the landfill.

The Shire is to be aware that closure costs are not evenly distributed across future years; however, will be incurred in spikes of expenditure in a particular year, with minimal to no expenditure in other years. Depending on where waste is being placed within the landfill, there may be many years where there will be no expenditure incurred; however, towards the end of the life of the landfill, when the valley becomes narrow, the landfill will progress horizontally significantly faster than is currently occurring; hence, the closure costs will occur more frequently.

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While there is sufficient on-site cover material available for use as landfill capping material (the on-site material should not to be used for daily cover material), the closure costs during this period will be relatively low. In future, when suitable capping material will be required to be imported from off-site sources, this is when the closure costs will increase dramatically. In this early period of closure when utilising on-site excavated material, the preference is that the capping activity be undertaken at the same time as future cell excavation, so that the material is not double-handled and is simply excavated, loaded into a vehicle, tipped on the final waste profile and spread in a single layer. This is the most cost effective means of progressive landfill closure.

The current budget (*2016/17 Financial Year*) indicates a Refuse Sites Reserve starting balance of \$352,439, which is for both the Old Quarry Road and Inkpen Road Waste Management Facilities. This reserve can be used to accommodate the spikes in annual expenditure; however, the funds should be progressively returned to the reserve in future years or accrued in advance of the spike in expenditure. Over time, as there is more information available on the actual cost of progressive closure on site, the annual budget allocation towards this Refuse Sites Reserve can be increased to account for these future costs.

Future Actions
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| <ul style="list-style-type: none"><li>• Continue to accrue reserves for the final closure and post-closure activities.</li><li>• Assess the actual progressive closure and post-closure costs to determine future budget allocations to cover these activities.</li><li>• Ensure the progressive closure of completed landfill areas.</li><li>• Utilise existing reserves to accommodate spikes in progressive closure costs.</li><li>• Ensure expended reserve funds are either accrued in advance (preferred option) or returned in subsequent years.</li></ul> |
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## 11. Data Collection

Data collection is an essential activity for the improved future management of the facility. With there being a weighbridge at the entrance to the facility, there is an ability to collect accurate data on a wide range of materials.

As the Shire progresses towards increased recycling and reducing waste to landfill there will be a need to better understand the breakdown of material being received. The collection of data should be focused in a direction to provide valuable information on particular materials that have the potential to be recycled. For example, the quantity of cardboard, paper, mixed or specific plastic types or timber being received on site.

In addition, volumetric surveys should be carried out to assess the rate of consumption of landfill airspace (at least every three years). This can then be compared against the theoretical airspace consumption to assess the actual lifespan of the landfill.

The Shire should also assess the data collected from the Inkpen Road Waste Management Facility in order to assess any potential synergies between the two sites. Where possible, a similar suite of data should be collected from both sites.

The Shire is to endeavour to collect as much waste and recyclable material data as is reasonably practical within the limitations presented by the current method of operating the facility.

### Future Actions

- Continue to collect accurate data on site and adjust data collection to suit future recycling programs.
- Undertake volumetric landfill airspace consumption surveys at least every three years.
- Assess synergies between the Old Quarry Road facility and the Old Quarry Road facility and collect a similar suite of data.



## 12. Financial Planning

As can be seen from the above, the closure of a landfill or portion thereof (progressive closure) is an essential activity and to do it properly is an expensive operation. The cost is significantly more if there is a need to import landfill capping material (hence the conservation of existing resources is essential). Financial planning for closure and post-closure landfill expenses is an important aspect of landfill management.

The Shire is to ensure that in future, there are sufficient funds allocated during the active life of the landfill to cover the closure and post-closure liabilities that are being accumulated. As environmental awareness increases, closure and post-closure requirements are only going to increase with time and hence the associated costs. With progressive closure, these costs are incurred over many years and it is difficult to distinguish between facility operating costs and landfill closure costs.

An assessment of the financial implications of the closure, monitoring and maintenance requirements will be necessary in order to ensure that sufficient funds are budgeted to adequately finance the necessary activities.

Typical costs incurred during post-closure activities include:

- Labour costs for undertaking regular site inspections;
- Cap repair and vegetation infill planting (usually in the first two to three years of the cap construction);
- Site monitoring, including groundwater; and,
- Weed control.

With the Shire's landfill anticipated to reach maximum capacity within 15 years, the Shire does not have a lot of time to ensure that the appropriate reserves are in place to adequately cover the anticipated final landfill post-closure expenses. Hence, the Shire needs to ensure that the appropriate financial planning is in place to account for future anticipated closure and post-closure costs. If the Shire does not regularly reassess its future liabilities and adjust its reserves accordingly, there is a risk that future generations will have to source significant additional funds to cover the past shortfalls in reserves.

The typical post-closure monitoring costs will continue for a minimum of five years beyond the closure of a portion of landfill. Groundwater monitoring may be one aspect that requires to be monitored beyond five years, with the actual duration being a function of groundwater contamination levels and the environmental impact thereof.

It is important to note that there has been no consideration of the costs associated with the management of landfill gas, as at present, there is no noticeable landfill gas being generated. In time, this situation may change, which would result in some costs being incurred in the appropriate management of the landfill gas. The extent of the costs being dependent on the landfill gas management solution adopted. It is not anticipated that the landfill will ever generate sufficient gas to enable the generation of green energy and hence receive income.

### 13. Implementation Schedule

The implementation schedule provides a list of activities and an associated timeline to be undertaken by the Shire over the following seven-year period to ensure that the Old Quarry Road Waste Management Facility is managed and operated to best practise and to optimise the facility utilisation.

**Table 13.1 – Implementation Schedule** provides a list of activities and associated timelines over the next seven years.

**Table 13.1 – Implementation Schedule**

Item	Activity
<b>Year 1 - 2016/2017</b>	
1	Ensure site operations are carried out in accordance with the requirements of the facility operating licence.
2	Set up batter board procedures for making sure the landfill contours are as per final profile plan and install batter boards.
3	Monitor the performance of the liquid waste management ponds in comparison to the incoming liquid waste volumes.
4	Close liquid pond 2 for drying.
5	Ensure the ongoing integrity of the boundary fence.
6	Review Asbestos Management Plan and on-site asbestos operating procedures.
7	Compile trend graphs from historical groundwater monitoring data and continue the graphs with each future monitoring exercise.
8	Review Fire Management Plan.
9	Continue to accrue reserves for the final closure and post-closure activities.
10	Volumetric survey at the end of May.
11	Sample and analyse groundwater bores (four off) and send analysis report to hydrologist for annual reporting.
12	Complete and submit Annual Monitoring Report (AMR) and Annual Audit Compliance Report (AACR) by 15 July.
13	Obtain engineering stormwater detailed design for drainage channels.

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Item	Activity
<b>Year 2 - 2017/2018</b>	
1	Ensure site operations are carried out in accordance with the requirements of the facility operating licence.
2	During winter, monitor the contamination level of the surface water in the lower stormwater retention pond.
3	Review batter boards and procedures making sure the landfill contours are as per final profile plan.
4	Monitor the performance of the liquid waste management ponds in comparison to the incoming liquid waste volumes.
5	End of February 2018, empty liquid pond 2. Reline as per licence conditions and management plan.
6	Ensure the ongoing integrity of the boundary fence.
7	Consider the development of an improved recycling area and programs (hazardous household waste, tip shop, transfer station etc.).
8	Review requirements for capping of closed portions of the landfill.
9	Install drainage channels as far upstream as practical including raising road and moving tipping area if necessary.
10	Continue to accrue reserves for the final closure and post-closure activities.
11	Volumetric survey at the end of May.
12	Sample and analyse groundwater bores (four off) and send analysis report to hydrologist for annual reporting.
13	Complete and submit Annual Monitoring Report (AMR) and Annual Audit Compliance Report (AACR) by 15 July.

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Item	Activity
<b>Year 3 - 2018/2019</b>	
1	Ensure site operations are carried out in accordance with the requirements of the facility operating licence.
2	During winter, monitor the contamination level of the surface water in the lower stormwater retention pond.
3	Review batter boards and procedures making sure the landfill contours are as per final profile plan.
4	Monitor the performance of the liquid waste management ponds in comparison to the incoming liquid waste volumes and assess if ponds need drying or liner replacement as per licence and management plan.
5	Ensure the ongoing integrity of the boundary fence.
6	Consider the development of an improved recycling area and programs (hazardous household waste, tip shop, transfer station etc.).
7	Investigate additional cover material options.
8	Progressive capping of closed portions of the landfill.
9	Continue to accrue reserves for the final closure and post-closure activities.
10	Volumetric survey at the end of May.
11	Sample and analyse groundwater bores (four off) and send analysis report to hydrologist for annual reporting.
12	Complete and submit Annual Monitoring Report (AMR) and Annual Audit Compliance Report (AACR) by 15 July.

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Item	Activity
<b>Year 4 – 2019/2020</b>	
1	Ensure site operations are carried out in accordance with the requirements of the facility operating licence.
2	During winter, monitor the contamination level of the surface water in the lower stormwater retention pond.
3	Continue with recycling improvements and programs.
4	Review batter boards and procedures making sure the landfill contours are as per final profile plan.
5	Monitor the performance of the liquid waste management ponds in comparison to the incoming liquid waste volumes and assess if ponds need drying or liner replacement as per licence and management plan.
6	Ensure the ongoing integrity of the boundary fence.
7	Assess the level of the regional groundwater below the site in order to determine the maximum depth of excavation to remain 3 m above the groundwater level.
8	Develop future landfill areas in a south westerly direction up the valley towards the liquid waste pond area.
9	Review site management contract. Retender Inkpen Road and Old Quarry Road landfill management as a single tender. New contract commence in 2020.
10	Review/confirm relevance of Facility Management Plan and update as appropriate.
11	Continue to accrue reserves for the final closure and post-closure activities.
12	Volumetric survey at the end of May.
13	Sample and analyse groundwater bores (four off) and send analysis report to hydrologist for annual reporting.
14	Complete and submit Annual Monitoring Report (AMR) and Annual Audit Compliance Report (AACR) by 15 July.

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Item	Activity
<b>Year 5 – 2020/2021</b>	
1	Ensure site operations are carried out in accordance with the requirements of the facility operating licence.
2	During winter, monitor the contamination level of the surface water in the lower stormwater retention pond.
3	Review batter boards and procedures making sure the landfill contours are as per final profile plan.
4	Monitor the performance of the liquid waste management ponds in comparison to the incoming liquid waste volumes and assess if ponds need drying or liner replacement as per licence and management plan.
5	Continue with recycling improvements and programs.
6	Progressive capping of closed portions of the landfill.
7	Implement a single landfill management contract for both sites.
8	Continue to accrue reserves for the final closure and post-closure activities.
9	Volumetric survey at the end of May.
10	Sample and analyse groundwater bores (four off) and send analysis report to hydrologist for annual reporting.
11	Complete and submit Annual Monitoring Report (AMR) and Annual Audit Compliance Report (AACR) by 15 July.

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Item	Activity
<b>Year 6 - 2021/2022</b>	
1	Ensure site operations are carried out in accordance with the requirements of the facility operating licence.
2	During winter, monitor the contamination level of the surface water in the lower stormwater retention pond.
3	Continue with recycling improvements and programs.
4	Review batter boards and procedures making sure the landfill contours are as per final profile plan.
5	Monitor the performance of the liquid waste management ponds in comparison to the incoming liquid waste volumes and assess if ponds need drying or liner replacement as per licence and management plan.
6	Undertake landfill volumetric survey in the area that have been filled since the previous site survey and compare airspace consumption against theoretical assumptions.
7	Continue to accrue reserves for the final closure and post-closure activities.
8	Volumetric survey at the end of May.
9	Sample and analyse groundwater bores (four off) and send analysis report to hydrologist for annual reporting.
10	Complete and submit Annual Monitoring Report (AMR) and Annual Audit Compliance Report (AACR) by 15 July.

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Item	Activity
<b>Year 7 - 2022/2023</b>	
1	Ensure site operations are carried out in accordance with the requirements of the facility operating licence.
2	During winter, monitor the contamination level of the surface water in the lower stormwater retention pond.
3	Review batter boards and procedures making sure the landfill contours are as per final profile plan.
4	Monitor the performance of the liquid waste management ponds in comparison to the incoming liquid waste volumes and assess if ponds need drying or liner replacement as per licence and management plan.
5	Continue with recycling improvements and programs.
6	Progressive capping of closed portions of the landfill.
7	Review Asbestos Management Plan and on-site asbestos operating procedures.
8	Review Fire Management Plan.
9	Commission a business study for future landfill capacity and disposal location(s).
10	Use Facility Management Plan as a basis for a complete rewrite for the next seven-year period.
11	Continue to accrue reserves for the final closure and post-closure activities.
12	Volumetric survey at the end of May.
13	Sample and analyse groundwater bores (four off) and send analysis report to hydrologist for annual reporting.
14	Complete and submit Annual Monitoring Report (AMR) and Annual Audit Compliance Report (AACR) by 15 July.



## 14. Review

In order for this Facility Management Plan to remain up-to-date with regards to current waste management initiatives and direction, it is necessary that this plan be reviewed and updated on a regular basis.

This plan covers the way forward for the future development of the Old Quarry Road Waste Management Facility and is based on current waste management direction, practices and the waste streams that are being generated within the Shire. It is envisaged that over time, as the waste management industry and the Shire's waste management practices evolve, that this plan will need to be reviewed and updated.

This Facility Management Plan should be reviewed and updated in accordance with the schedule set out in **Table 14.1 – Facility Management Plan Review Schedule**.

**Table 14.1 – Facility Management Plan Review Schedule**

Timeline	Action
Year 1 - (2016/2017)	Nil
Year 2 - (2017/2018)	Nil
Year 3 - (2018/2019)	Nil
Year 4 - (2019/2020)	Review/confirm relevance and update as appropriate
Year 5 - (2020/2021)	Nil
Year 6 - (2021/2022)	Nil
Year 7 - (2022/2023)	Use as a basis for a complete rewrite for the next seven-year period.

## Appendices

**Appendix No. 1 – Aerial Photo and Site Surrounds**

**Appendix No. 2 – Topographical Survey**

**Appendix No. 3 – Final Landform and Perimeter Drain Layout Plan**

**Appendix No. 4 – Progressive Waste Lift Progression Plan**

**Appendix No. 5 – Progressive Waste Placement Area Plan**

**Appendix No. 6 – Typical Progressive Waste Lift Section**

**Appendix No. 7 – Groundwater Contours**

**Appendix No. 8 – Fire Management Plan**

**Appendix No. 9 – Recycling Area**

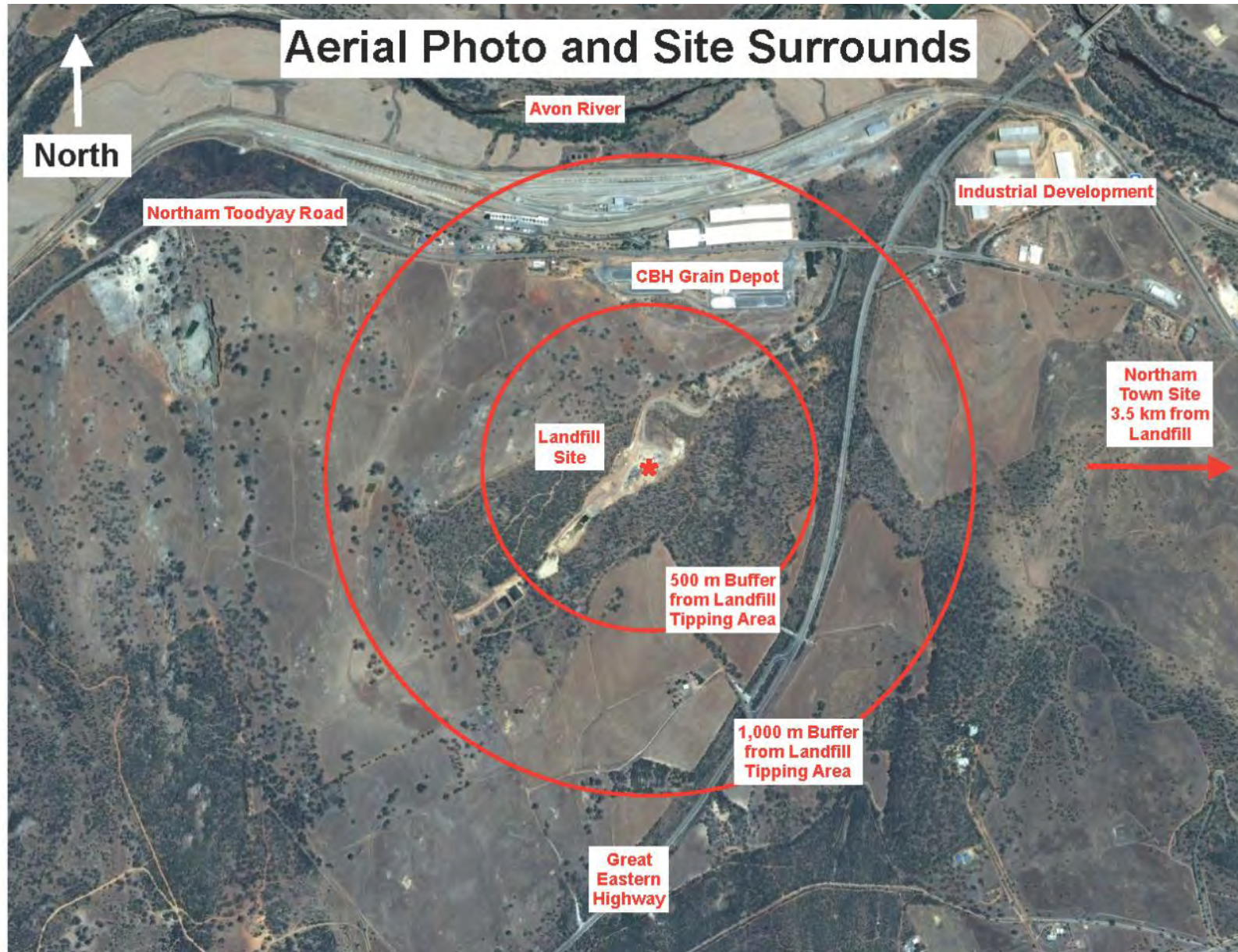
**Appendix No. 10 – Asbestos Management Plan**

Shire of Northam  
Old Quarry Road Waste Management Facilities

Facility Management Plan  
4 Apr 2017  
Final Rev 1

## Appendix No. 1 – Aerial Photo of the Site and Surrounds

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Shire of Northam  
Old Quarry Road Waste Management Facilities

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## Appendix No. 2 – Topographical Survey

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**SHEET 1**

**SHEET 2**

**SYMBOL**      **DESCRIPTION**

- ◻      BENCH MARK
- ◻      CORNER
- ◻      BENCH MARK
- ◻      CLEARED POWER POLE
- ◻      WATER
- ◻      SURVEY CONTROL STATION
- ◻      WATER PUMP

**MEASUREMENTS & CALCULATIONS**

NO.	DATE	BY	DESCRIPTION	REMARKS
1	05/06/2016	VRD/AS	IN THE FIELD	IN THE FIELD

**NOTES:**

THIS PLAN IS A COPY OF THE ORIGINAL SURVEY PLAN. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES WITHOUT THE ORIGINAL SURVEY PLAN. ANY CHANGES TO THE ORIGINAL SURVEY PLAN MUST BE APPROVED BY THE SURVEYOR.

1:1000 @ A1

Prepared for: SHIRE OF NORTHAM

DATE: 05/06/2016

BY: VRD/AS

SCALE: 1:1000

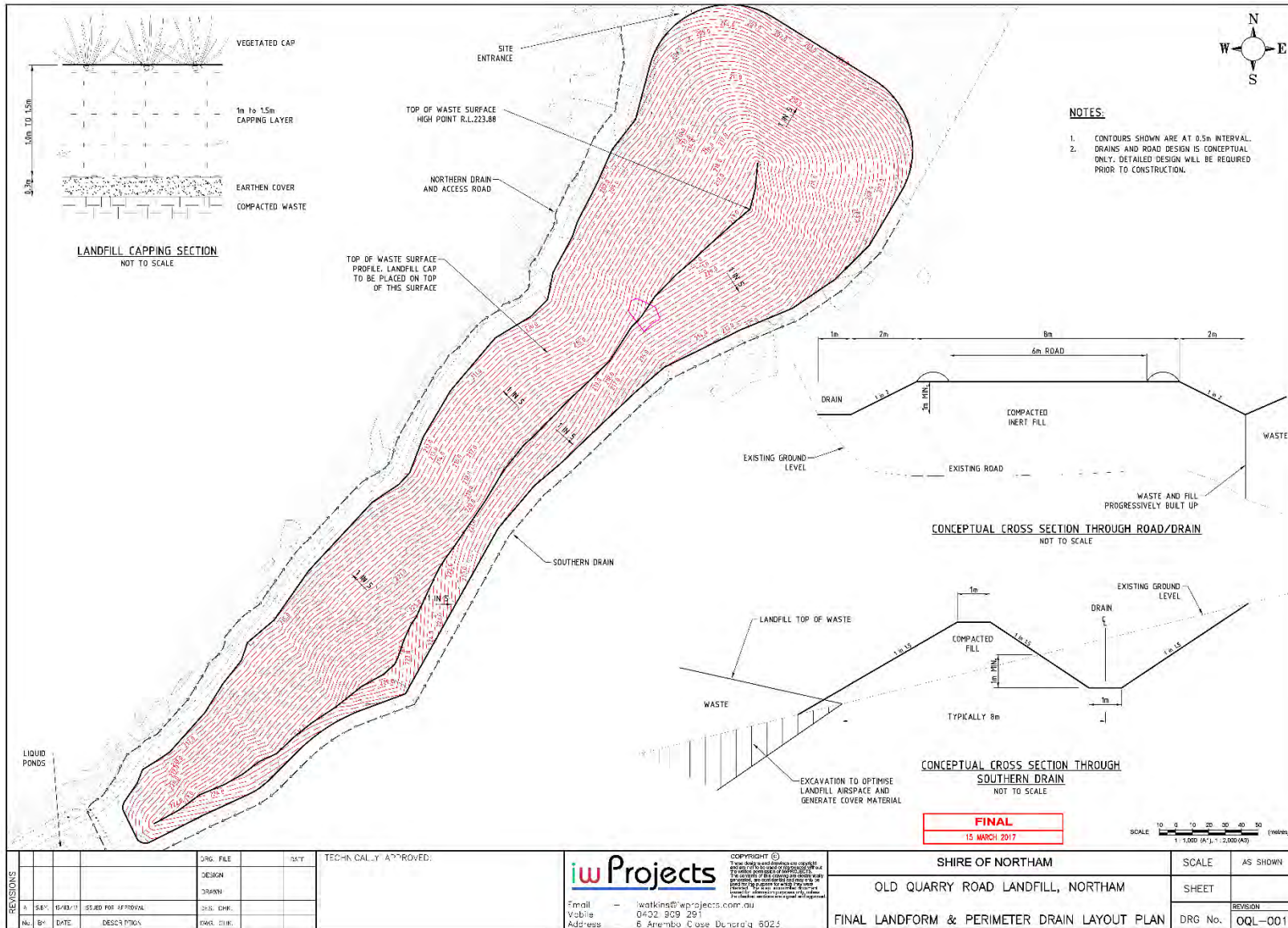


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Old Quarry Road Waste Management Facilities

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### Appendix No. 3 – Final Landform and Perimeter Drain Layout Plan

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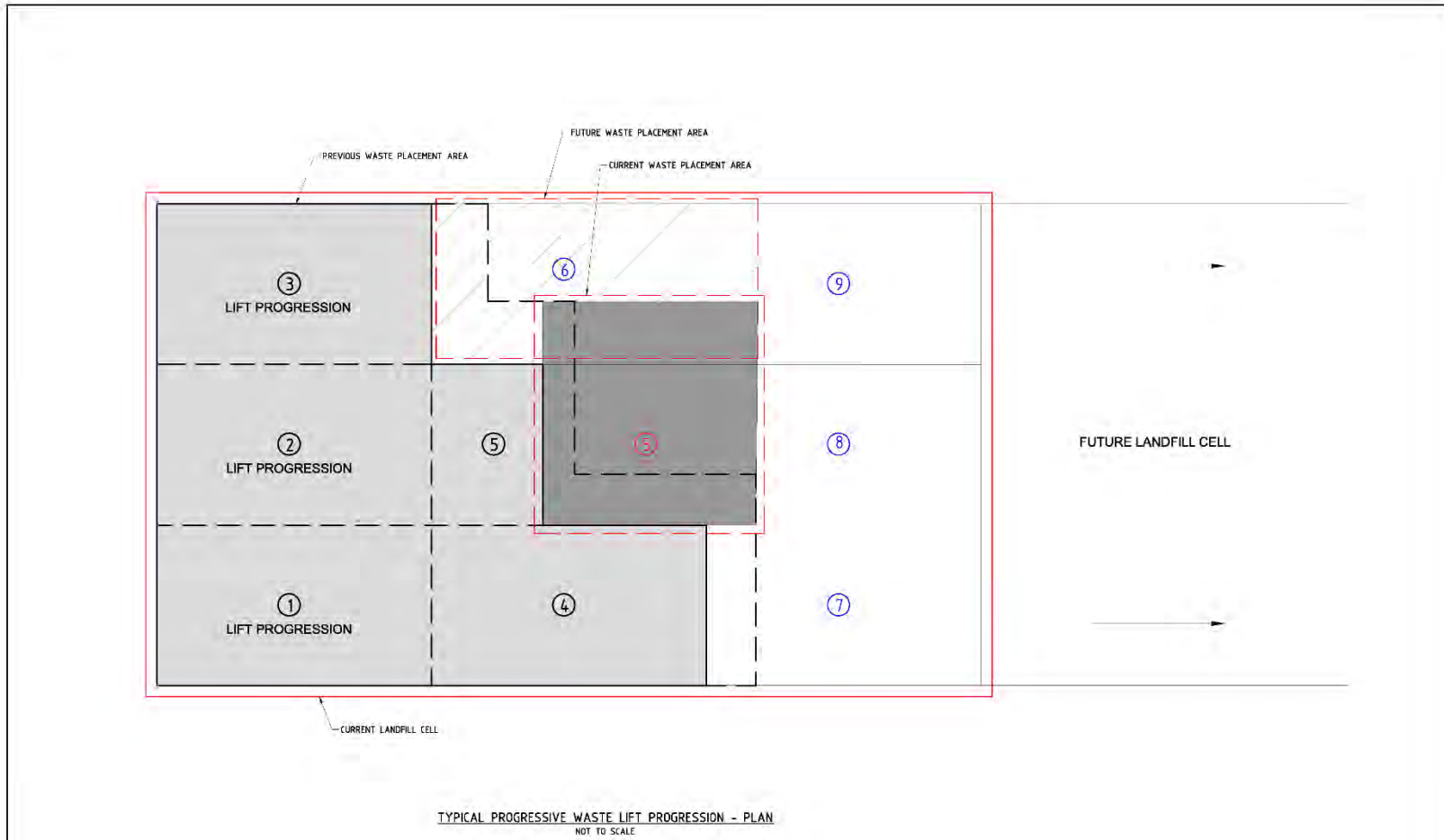


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Old Quarry Road Waste Management Facilities

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## Appendix No. 4 – Progressive Waste Lift Progression Plan

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 15 MARCH 2017

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	1	15/03/17	ISSUED FOR APPROVAL	010101	J.W.	J.W.			OLD QUARRY ROAD LANDFILL, NORTHAM		SHEET	
								PROGRESSIVE WASTE LIFT PROGRESSION PLAN		DRG. No.	REVISION: J.A. OQL-002	

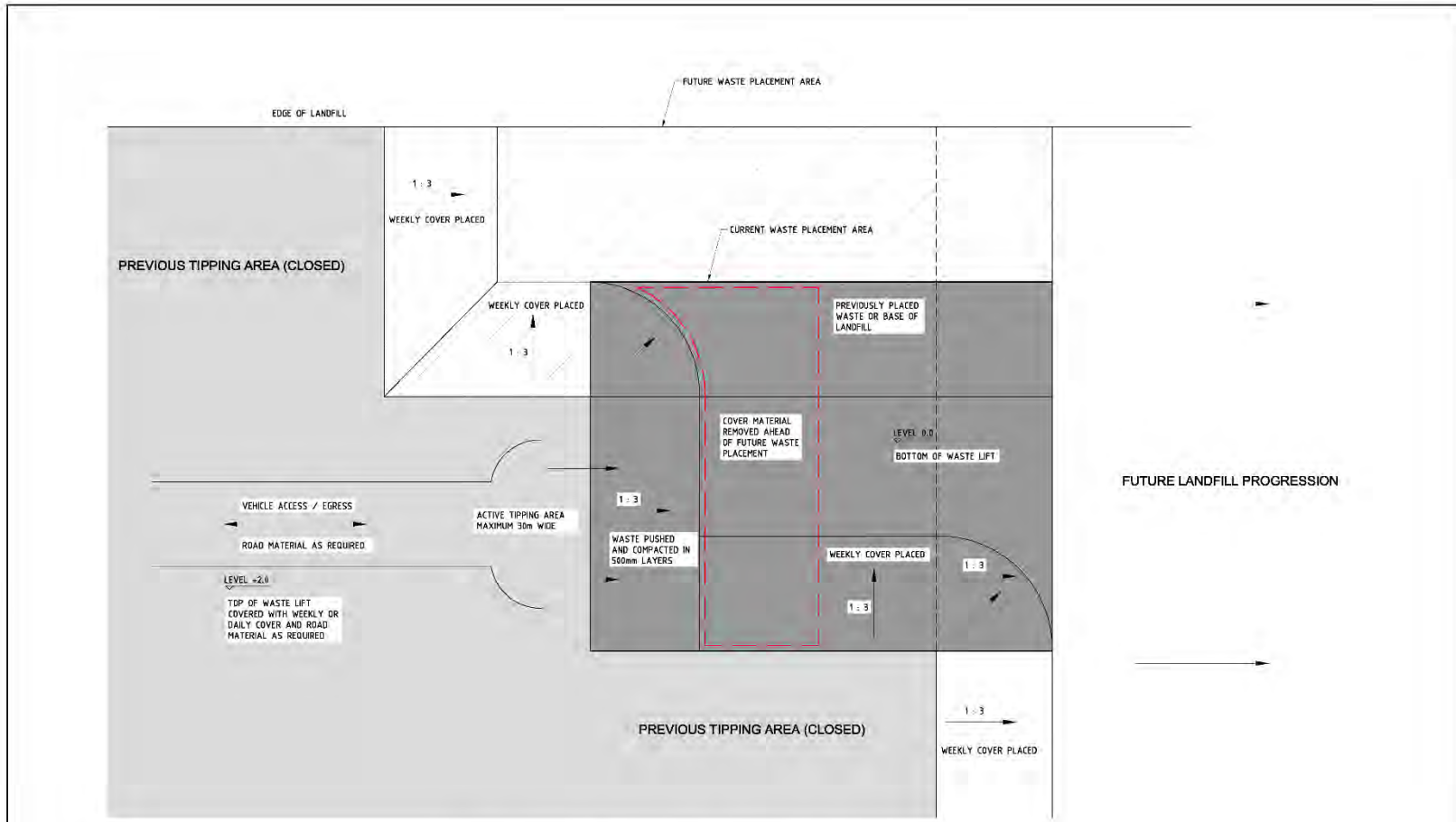


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## Appendix No. 5 – Progressive Waste Placement Area Plan

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TYPICAL PROGRESSIVE WASTE PLACEMENT AREAS - PLAN DETAIL  
 NOT TO SCALE

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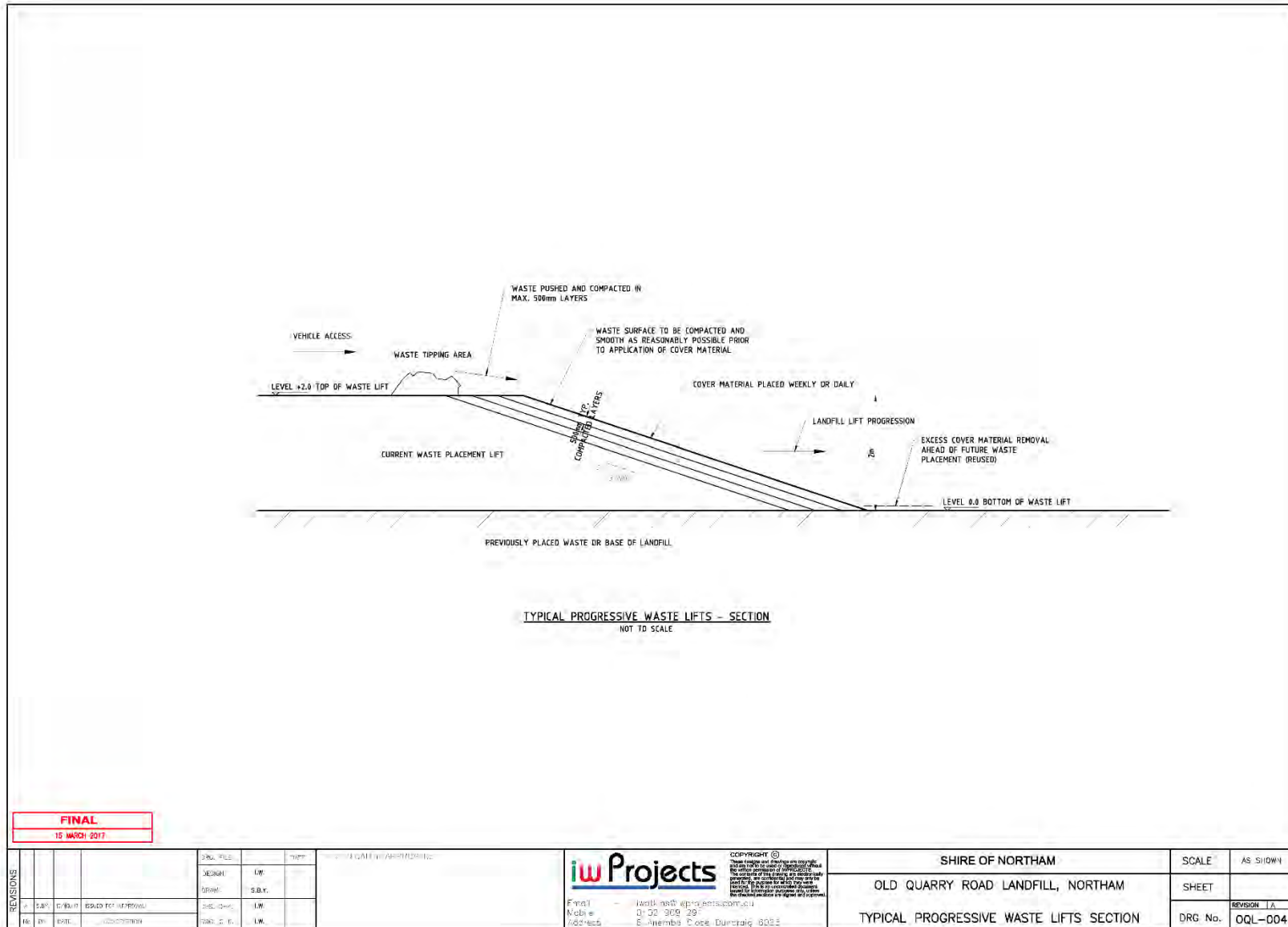
REVISIONS				ENG. FILE		WPT	TECHNICALLY APPROVED:	 Copyright © These designs and documents are copyright and are not to be used or reproduced without the written permission of iwProjects. The contents of this drawing are intended for the project only and are not to be used for any other purpose. The Shire of Northam, its officers and employees shall not be liable for any loss or damage arising from the use of these designs and documents.	SHIRE OF NORTHAM	SCALE	AS SHOWN
				DESIGN	L.W.				OLD QUARRY ROAD LANDFILL, NORTHAM	SHEET	
				DRAWN	S.B.Y.				PROGRESSIVE WASTE PLACEMENT AREA PLAN	REVISION 1/A	
	A	S.B.Y.	02/04/17	ISSUED FOR APPROVAL						DRG No.	OQL-003
				CHKD. CHECKED	L.M.						
				APP. D. E.	L.W.						

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Old Quarry Road Waste Management Facilities

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## Appendix No. 6 – Typical Progressive Waste Lift Section

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## Appendix No. 7 – Groundwater Contours

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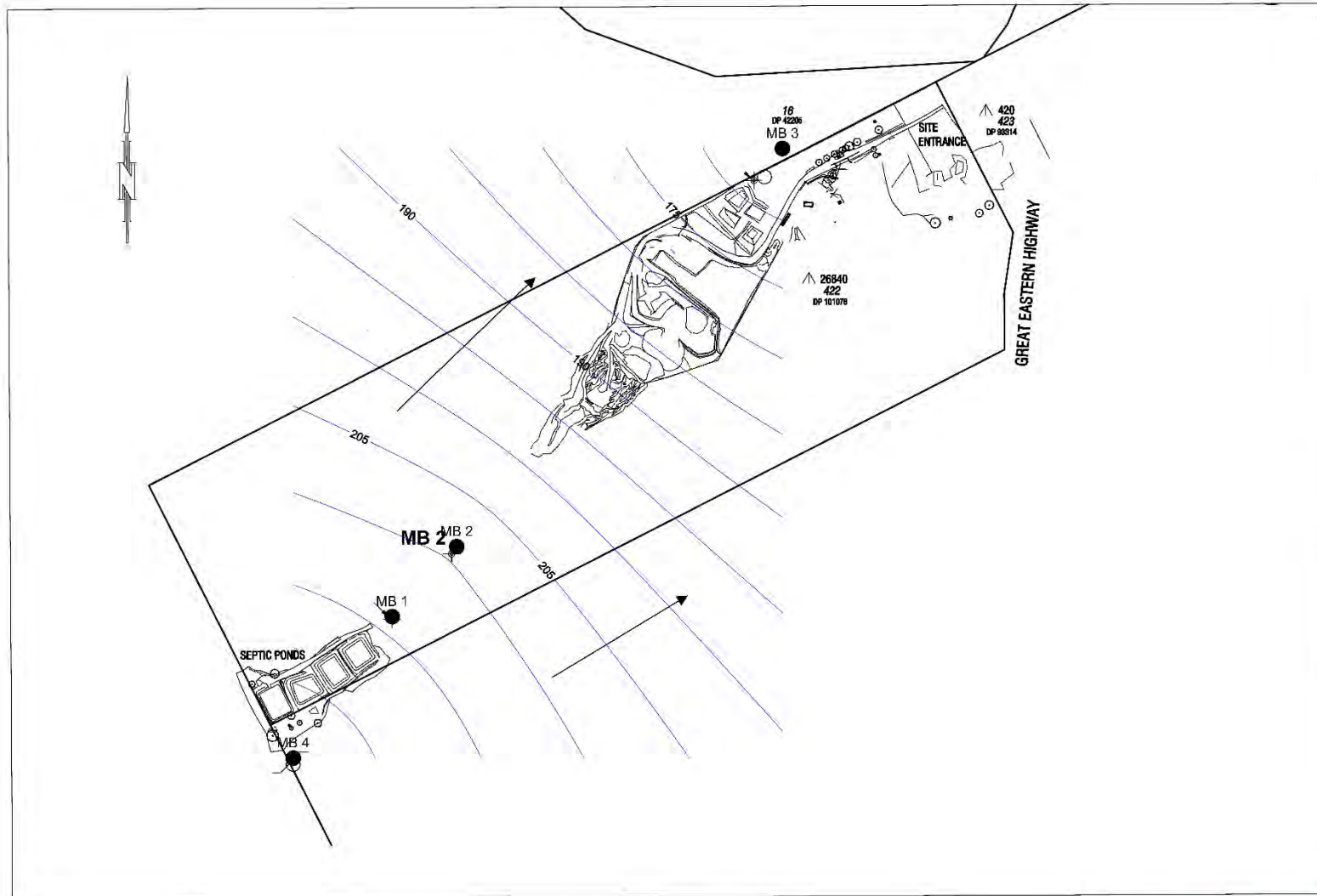


Figure 1 : Ground water contours (mAHd) and flow direction April 2016





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Old Quarry Road Waste Management Facilities

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## Appendix No. 8 – Fire Management Plan

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Excluded from attachment as previously endorsed by the Bushfire Advisory Committee and Council at the Ordinary Council meeting held on 19<sup>th</sup> April 2017.

Shire of Northam  
Old Quarry Road Landfill  
Reserve 26840, Northam

Fire Management Plan  
28 February 2017  
Revision – Final

## Appendix No 2 – Fire Incident Report

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Shire of Northam  
 Old Quarry Road Landfill  
 Reserve 26840, Northam

Fire Management Plan  
 28 February 2017  
 Revision – Final

<p><b>Shire of Northam</b>                  Reserve 26840 Old Quarry Road, Northam  <b>Old Quarry Road Landfill Facility</b>                  Licence Number L6977/1997                  Fire Incident Report No. ....</p>	
<p><b>Date &amp; Time Incident Occurred:</b>                  _____</p>	
<p><b>Type of Fire:</b></p>	<p>Minor <input type="checkbox"/>                  Significant <input type="checkbox"/>                  Off-Site <input type="checkbox"/>                  Other <input type="checkbox"/> Specify _____</p>
<p><b>Reported to:</b></p>	<p>CBFCO <input type="checkbox"/>                  DFES <input type="checkbox"/>                  DER <input type="checkbox"/>                  Other <input type="checkbox"/> Specify _____</p>
<p><b>Description of Incident:</b>                  _____                  _____                  _____</p>	
<p><b>Person Responsible for Coordinating Activities</b>                  Name: _____                  Designation: _____</p>	
<p><b>Activities Undertaken:</b>                  _____                  _____                  _____</p>	
<p><b>Future Preventative Measures Adopted:</b>                  _____                  _____                  _____</p>	
<p><b>Site Supervisor (Person in Control)</b>                  Name: _____                  Signature: _____                  Date Report Filed: _____</p>	

Shire of Northam  
Old Quarry Road Waste Management Facilities

Facility Management Plan  
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## Appendix No. 9 – Recycling Area

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APPENDIX 11



**iw Projects**  
 Email - iwatkins@iwprojects.com.au  
 Mobile - 0402 909 291  
 Address - 6 Anembo Close Duncraig 6023

**SHIRE OF NORTHAM  
 OLD QUARRY ROAD  
 WASTE DISPOSAL FACILITY  
 FACILITY MANAGEMENT PLAN**

**RECYCLING AREA**

<b>DATE</b>	8 OCTOBER 2008	<b>SCALE</b>	NTS
<b>DWG</b>	APPENDIX 11	<b>REV</b>	0

Shire of Northam  
Old Quarry Road Waste Management Facilities

Facility Management Plan  
4 Apr 2017  
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## Appendix No. 10 – Asbestos Management Plan

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Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

# Shire of Northam

## Old Quarry Road Waste Management Facility

### Asbestos Management Plan

Originally Issued: 7 February 2017  
Reviewed: *Review dates to be inserted*

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IW Projects

1

[iwatkins@iwprojects.com.au](mailto:iwatkins@iwprojects.com.au)  
Mobile 0402 909 291



Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

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Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

## 1. Introduction

The Shire of Northam Old Quarry Road Waste Management Facility is a licensed landfill facility under the *Environmental Protection Act 1986* and included in the licence is the ability to accept asbestos or asbestos containing material provided the material is handled in accordance with the relevant licence conditions.

This Asbestos Management Plan sets out the appropriate handling methodology for the landfilling of asbestos in accordance with the facility operating licence.

The control and handling of materials containing asbestos products is a critical management aspect on site. Consequently, the Shire of Northam (the Shire) takes the responsibility associated with the appropriate control and handling of asbestos products extremely seriously.

## 2. Purpose

The purpose of this Plan is to:

- Provide guidance to the Facility Operator(s) on how to manage asbestos material when delivered to site or if discovered on site;
- Ensure appropriate procedures are carried out for the inspection, handling and disposal for asbestos material; and,
- Ensure the appropriate record keeping of asbestos related incidents.

## 3. Reference

- Facility operating licence;
- DER Disposal of Material Containing Asbestos – 12 June 2007;
- Code of Practice for the Safe Removal of Asbestos 2nd Edition [NOHSC: 2002(2005)];
- Health (Asbestos) Regulations 1992;
- Code of Practice for the Management and Control of Asbestos in the Workplace [NOHSC: 2018 (2005)];
- Department of Health - Guidelines for Asbestos-Contaminated Sites - May 2009; and,
- DER Guidelines for Managing Asbestos at Construction and Demolition Waste Recycling Facilities – 18 December 2012.

## 4. Distribution

This Plan is distributed to:

- All personnel involved in the management and operation of the site;
- Department of Environment Regulation;
- Customers as applicable; and,
- Any other relevant parties.

Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

## 5. Definitions

**Asbestos** - means the asbestiform variety of mineral silicates belonging to the serpentine or amphibole groups of rock-forming minerals and includes actinolite, amosite, anthophyllite, chrysolite, crocidolite, tremolite and any mixture containing two or more of those.

**Asbestos Bin** - means a dedicated waste bin located in the Temporary Asbestos Storage Area for the temporary storage of Asbestos Waste, pending final disposal to landfill.

**Asbestos Containing Material (ACM)** - means any products or materials (including fragments) that contain asbestos in an inert bound matrix such as cement or resin in a sound condition and in a form that cannot pass through a 7 mm x 7 mm sieve, including asbestos waste and asbestos contaminated soil.

**Asbestos Disposal Area** - means a dedicated area within the landfill that is used for the disposal of Asbestos Waste.

**Asbestos Fines or Fibres (AF)** - means small asbestos fibre bundles, free asbestos fibres and also ACM fragments that can pass through a 7 mm x 7 mm sieve.

**Asbestos Incident Report** - the incident report detailing any Non-Declared Asbestos identified on site.

**Asbestos Register** - means a register maintained on site, which contains all records of asbestos deliveries, disposals and incidents.

**Asbestos Waste** - means all removed asbestos and disposable items used during asbestos work, such as plastic sheeting used to cover surfaces in the asbestos work area, disposable coveralls, disposable respirators, rags used for cleaning and includes Asbestos Containing Material and Asbestos Fines and Fibres.

**Competent Person** - means a person possessing tertiary qualifications such as environmental science, science or engineering and a minimum of 3 years experience working with asbestos.

**Customer** - means an individual or company, responsible for, or delivering waste material to the Facility.

**Declared Asbestos** - means Asbestos Waste that Customers have declared and is accepted for disposal in accordance with this Plan.

**Temporary Asbestos Storage Area** - the area within the site that is specifically dedicated to the temporary storage of Asbestos Waste, pending disposal to landfill once sufficient Asbestos Waste has been accumulated to justify opening up the Asbestos Pit.

**Disposal** - the appropriate delivery, placement and disposal of Asbestos Waste in the Asbestos Pit.

**Facility** - means the Shire of Northam Old Quarry Road Waste Management Facility.

Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

**Fibrous Asbestos (FA)** – means friable asbestos material, such as severely weathered ACM and asbestos in the form of loose fibrous material such as insulation products. Friable asbestos is material that is in a degraded condition such that it can be broken or crumbled to a powder form by hand pressure.

**Non-Declared Asbestos** – means Asbestos Waste that is found on site that has not been declared as Asbestos Waste by a Customer.

**Person in Control** - means a person who has control of the Facility. The person with control is the Shire employee that has the responsibility to manage the Facility (Facility Manager).

**Facility Operator** - means a person undertaking the operational activities of the Facility. The Facility Operator may be a Shire employee or a contractor appointed to operate the Facility on the Shire's behalf.

**Personal Protective Equipment (PPE)** - means equipment and clothing that is used or worn by an individual person to protect themselves against, or minimise their exposure to, workplace risks. It includes items such as facemasks and respirators, coveralls, goggles, helmets, gloves and footwear.

## 6. Responsibility

The Person in Control of the Facility has a duty of care to:

- Implement, maintain and update this Asbestos Management Plan.
- Ensure adequate, appropriate training of Facility Operators.
- Ensure adequate, appropriate information is provided to Customers.
- Undertake the necessary inspections to confirm the appropriate handling and disposal of Asbestos Waste as required by this Plan;
- Develop measures to control and dispose of the Asbestos Waste to minimise the risks and prevent exposure to asbestos.
- Maintain adequate supplies of appropriate PPE on site.
- Maintain adequate supplies of Asbestos Waste wrapping and bagging materials on site, including the appropriate warning tape.

Facility Operator has a duty of care to:

- Adhere to the Asbestos Management Plan.
- Ask all Customers delivering waste to the Facility if there is any Asbestos Waste in the incoming waste load.
- Inspect incoming waste for the presence of Asbestos Waste.
- Assess the condition of any Non-Declared Asbestos that is found on site and the associated asbestos risks.
- Utilise appropriate PPE.
- Undertake the appropriate control and disposal measures following the identification of Non-Declared Asbestos.
- Complete the appropriate Asbestos Incident Report as necessary for all Non-Declared Asbestos identified on site.
- Maintain an Asbestos Register of all asbestos deliveries, disposal and incidents.

Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

Customer:

- Be aware of the asbestos management requirements on site.
- Declare all Asbestos Waste on arrival at the Facility.
- Have wrapped or bagged all Asbestos Waste prior to delivery to site.
- Comply with the site asbestos management procedures.

## 7. Awareness Training

Information and training is to be provided to Facility Operators and others who may come into contact with asbestos at the Facility, either directly or indirectly.

Awareness training is to be carried out for all new site personnel, with refresher training on a two-yearly basis.

Training will be carried out by a suitable, internal or external training provider.

The asbestos awareness training is to include:

- The purpose of the training.
- The health risks associated with Asbestos Waste.
- The types, uses and likely occurrence of asbestos in buildings, plant and/or equipment in the workplace (Refer Appendix No. 1).
- How to identify Asbestos Waste.
- The trainees' roles and responsibilities under the Asbestos Management Plan.
- The process and procedures to be followed following the receipt of Declared Asbestos on site.
- The process and procedures to be followed in inspection of incoming waste materials.
- The process and procedures to be followed following the identification of Non-Declared Asbestos on site.
- The mechanism for the disposal of Asbestos Waste.
- The processes and procedures to be followed to prevent exposure to asbestos.
- How Asbestos Incident Report forms can be accessed.
- The processes and procedures to be followed when completing the Asbestos Incident Report.

A record of all attendees at the awareness training is to be maintained.

Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

## 8. Application

The Facility operates primarily as a putrescible landfill (Class II). There is also a front-end recycling operation; however, due to the specific nature of the recycling operation, asbestos is not seen as a potential problem to this activity and hence, it has not been incorporated into the requirements of this Asbestos Management Plan.

This Asbestos Management Plan is applicable to the management and handling of Declared Asbestos and Non-Declared Asbestos from receipt or identification on site through to the ultimate disposal to landfill.

Where material is suspected as being Asbestos Waste, it should be assumed to be and treated as Asbestos Waste unless suitable analysis of a representative sample by a Competent Person demonstrates otherwise.

## 9. Material Sources and Handling

The vast majority of the Asbestos Waste received on site is received directly from Shire residents, with occasional loads being received from commercial asbestos removal contractors.

Prior to any Asbestos Waste being delivered to site, the Customers are to have wrapped or bagged all Asbestos Waste in accordance with this Plan.

On delivery to site, all Asbestos Waste is to be handled in accordance with the procedures set out in this Plan.

## 10. Material Pre-Acceptance Procedures

The following material pre-acceptance procedures apply:

- Shire website, brochures and newsletters advise Customers that asbestos is accepted on site; however:
  - All Asbestos Waste is required to be appropriately wrapped or bagged;
  - Kept separate from general waste; and,
  - That Customers have a duty of care and hence, must declare all Asbestos Waste on entry to the site.
- Site entrance sign identifies that Asbestos Waste is accepted on site; however:
  - All Asbestos Waste is required to be appropriately wrapped or bagged;
  - Kept separate from general waste; and,
  - That Customers have a duty of care and hence, must declare all Asbestos Waste on entry to the site.
- Customers making Asbestos Waste disposal enquiries through the Shire are to be directed to the Shire website or advised that:
  - All Asbestos Waste is required to be appropriately wrapped or bagged;
  - Kept separate from general waste; and,

Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

- ◇ That Customers have a duty of care and hence, must declare all Asbestos Waste on entry to the site.

## 11. Material Acceptance Procedures

The following material acceptance procedures are to be applied to all material entering the Facility:

- On arrival to site the Customer identifies the types of materials in the load.
- All Customers are asked if there is any Asbestos Waste in the waste material being delivered to site.
- Declared Asbestos loads:
  - All loads of Declared Asbestos are inspected to confirm the appropriateness of the wrapping or bagging of the Asbestos Waste. If the Asbestos Waste is not appropriately wrapped or bagged, the Asbestos Waste is then rejected and removed from site (the preferred solution) or the Customer provided the opportunity to appropriately wrap or bag the Asbestos Waste with wrapping material or bags provided by the Shire.
  - All loads of Declared Asbestos arriving on site are entered into the Asbestos Register identifying the type and quantity of Asbestos Waste being delivered to site.
  - Loads of Asbestos Waste are then directed to the Temporary Asbestos Storage Area or directly to the Asbestos Disposal Area.
- General waste loads:
  - At the site entrance, the tarps and covers are removed from all loads and the surface of the load inspected prior to progressing to the general waste active tipping area for off-loading.
  - Should any Non-Declared Asbestos be identified during the site entrance inspection, the complete load is then rejected and removed from site (the preferred solution) or the Customer provided the opportunity to separate the Asbestos Waste and appropriately wrap or bag the Asbestos Waste with wrapping material or bags provided by the Shire. The appropriate records are to be maintained of the details of the Non-Declared Asbestos. The record includes details of the Customer's name, company (if applicable), registration number of the vehicle and the date of the incident.
  - Acceptable loads of general waste (with no identified Asbestos Waste) are then directed to the general waste active tipping area.
  - During unloading at the general waste tipping area, the load is again inspected by a Facility Operator (if the Facility Operator is at the active tipping area) for any evidence of any Non-Declared Asbestos.
  - If no asbestos or other nonconforming material is identified, the load is then pushed up and compacted into the landfill.

Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

- If Asbestos Waste is identified on the active tipping face and the Customer is still on site, the Asbestos Waste contaminated portion of the load is immediately reloaded and the Customer removes the material from site (preferred option) or the Customer is provided the opportunity to separate the Asbestos Waste and appropriately wrap or bag the Asbestos Waste with wrapping material or bags provided by the Shire. The appropriate records are to be maintained of the details of the Non-Declared Asbestos. The record includes details of the Customer's name, company (if applicable), registration number of the vehicle and the date of the incident.
- If Asbestos Waste is identified on the active tipping face and the Customer has already departed the site, the load is isolated and additional inspections undertaken to assess the degree of asbestos contamination.
- If the asbestos contaminated load only contains a few random large pieces of ACM, the asbestos is removed and the remainder of the load is then pushed up and compacted into the landfill. If the Asbestos Waste is not easily removed, the complete load is then treated as asbestos contaminated.
- If the asbestos contaminated load contains Asbestos Fines or Fibres (AF) or Fibrous Asbestos (FA), the complete load is then isolated and treated as being asbestos contaminated.

## 12. Material Handling Procedures

The following material handling procedures are to be applied to all Asbestos Waste on site:

- Declared Asbestos:
  - Confirmation of the appropriateness of the Asbestos Waste wrapping or bagging:
    - If the Asbestos Waste is not appropriately wrapped or bagged, the Asbestos Waste is then rejected and removed from site (the preferred solution); or,
    - The Customer is provided the opportunity to appropriately wrap or bag the Asbestos Waste with wrapping material or bags provided by the Shire.
  - The Customer then:
    - Places the wrapped or bagged Asbestos Waste into the dedicated Asbestos Bin in the Temporary Asbestos Storage Area, pending subsequent disposal to the Asbestos Disposal Area; or,
    - Takes the wrapped or bagged Asbestos Waste directly to the Asbestos Disposal Area and places it in the tipping area, in preparation for landfilling.



Old Quarry Road Waste Management Facility  
Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

- Non-Declared Asbestos:
  - If asbestos is identified and the Customer is still on site:
    - The load is immediately reloaded and the Customer removes the material from site (the preferred solution); or,
    - The Customer is provided the opportunity to appropriately wrap or bag the Asbestos Waste with wrapping material or bags provided by the Shire.
  - If asbestos is identified and the Customer has already departed the site, the load is isolated and additional inspections undertaken to assess the degree of asbestos contamination.
  - If the asbestos contaminated load only contains a few random large pieces of ACM, the asbestos is removed and the remainder of the load is then landfilled.
  - If the asbestos contaminated load contains Asbestos Fines or Fibres (AF) or Fibrous Asbestos (FA), the complete load is then isolated and treated as being asbestos contaminated.
  - All confirmed Asbestos Waste is to be wrapped or bagged by the Customer or Facility Operator and then:
    - Placed into the dedicated Asbestos Bin in the Temporary Asbestos Storage Area, pending subsequent disposal to the Asbestos Disposal Area; or,
    - Taken directly to the landfill Asbestos Disposal Area and placed in the tipping area, in preparation for landfilling.
  - The Facility Operator is to complete an Asbestos Incident Report (refer Appendix No. 3).
- When placing wrapped or bagged Asbestos Waste in the Asbestos Bin in the Temporary Asbestos Storage Area or in the Asbestos Disposal Area, the Customer must place the Asbestos Waste in its final location and not drop it from height. Care is to be taken not to damage the Asbestos Waste wrapping or bag when placing the material. Any damaged wrapping or bags are to be repaired by the Customer before departing the site.

### 13. Asbestos Wrapping or Bagging

Asbestos is to be wrapped or bagged in accordance with the following requirements:

- Facility Operator to utilise the appropriate PPE (Refer Appendix No. 2) while wrapping or bagging Asbestos Waste.
- Separate the Asbestos Waste from general waste.
- Double wrap and tape asbestos in black plastic sheeting (minimum 200 µm thickness) to prevent asbestos fibres entering the atmosphere. In the case of asbestos contaminated soil or asbestos fines, the material is to be damp (not saturated) and packaged in suitable sealed containers (bulka bags, sealed bags).

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Reserve 2684 Old Quarry Road, Northam

Asbestos Management Plan

- Asbestos Waste is to be labeled with a warning of asbestos – "CAUTION ASBESTOS" in letters not less than 50 mm high is to be adhered to the wrapped bundle or bag of asbestos. In the event that Asbestos Waste is delivered to site without the appropriate warning tape, the Facility Operator is to provide the warning tape to the Customer, for the Customer to adhere to the wrapped or bagged Asbestos Waste. The exception being, that if Non-Declared Asbestos is identified on site and is going to be immediately buried within the Asbestos Pit, it is not necessary that the wrapped or bagged Asbestos Waste be labeled with the warning tape.
- Bundles and bags of Asbestos Waste are to be sized to allow for the appropriate loading and unloading so as to prevent damage to the plastic wrapping or sealed bag.

#### 14. Temporary Asbestos Storage Area Management

Asbestos is only to be stored in the Temporary Asbestos Storage Area.

At all times on site there is to be a Temporary Asbestos Storage Area available for the temporary storage of Asbestos Waste. The Temporary Asbestos Storage Area is to enable the secure, temporary storage of Asbestos Waste.

The Temporary Asbestos Storage Area is a dedicated area allocated for the temporary storage of wrapped or bagged Asbestos Waste, pending final disposal to landfill. The area is to contain an Asbestos Bin into which the wrapped or bagged Asbestos Waste is placed.

Under no circumstances is any Asbestos Waste to be stored outside of the Asbestos Bin.

When sufficient Asbestos Waste has been accumulated, typically half the volume of the Asbestos Bin, the Asbestos Bin is to be taken to the Asbestos Disposal Area and the content of the Asbestos Bin emptied at the tipping area. The Asbestos Waste is to be either slid out (preferred solution) or lifted out of the Asbestos Bin. The Asbestos Waste is not to be tipped from a height.

#### 15. Asbestos Disposal Area Management

The Asbestos Disposal Area is a dedicated area within the landfill that is used for the disposal of Asbestos Waste. The Asbestos Disposal Area is to be clearly marked on a map of the site indicating the coordinates of the extent of the disposal area. The marked-up site map is to form a permanent record of the site activities to prevent any future excavation in this area.

No general public access is allowed to the Asbestos Disposal Area. All disposal of Asbestos Waste within the Asbestos Disposal Area is to be either supervised or undertaken by the Facility Operator. The general public is permitted to deposit Asbestos Waste directly in the Asbestos Disposal Area, but only if instructed by the Facility Operator and only if the Facility Operator is in direct supervision of the disposal activity.

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Following disposal of the Asbestos Waste in the Asbestos Disposal Area, the wrapped or bagged Asbestos Waste is to be covered as soon as is practical after disposal, but at least at the end of each working day, with a minimum 300 mm of soil layer or 1 m of dense, inert and incombustible material.

Due to the large volume of landfill airspace consumed by covering the Asbestos Waste with a minimum of 300 mm of soil or 1 m of dense, inert and incombustible material, it is not practical to open the Asbestos Disposal Area every time there is a delivery of Asbestos Waste to the Facility. Small loads of Asbestos Waste are to be temporarily stored in the Temporary Asbestos Storage Area until a reasonable quantity, typically half of the Asbestos Bin volume of Asbestos Waste has been accumulated and then the Asbestos Waste is to be moved to the Asbestos Disposal Area.

The Asbestos Disposal Area is to be occasionally opened up to receive the content of the Asbestos Bin and/or larger individual loads of Asbestos Waste being delivered to the Facility.

There is to be no asbestos disposed of within 2 m of the final finished waste profile.

On completion of the disposal and covering of Asbestos Waste, the Facility Operator who has witnessed the Asbestos Waste disposal is to enter into the Asbestos Register the details pertaining to the particular Asbestos Waste disposal; these are to include the following:

- The date of burial;
- The Facility Operator's name, as the person that supervised or carried out the burial;
- Vehicle registration, if the customer is depositing the material directly into to the Asbestos Disposal Area;
- Confirmation that the Asbestos Waste was covered with a minimum of 300 mm of soil or 1 m of dense, inert and incombustible material;
- That the burial occurred within the dedicated Asbestos Disposal Area, which has grid coordinates with reference to the plan of the landfill site so that the position of the Asbestos Waste can be easily and accurately ascertained; and,
- Sign the register confirming the information entered is correct.

## 16. Dust Management

To reduce the potential risk of asbestos fibres entering the atmosphere as a result of Asbestos Waste handling, all reasonable and practical measures are taken to ensure that:

- All Asbestos Waste on site is accounted for, either Declared Asbestos or Non-Declared Asbestos;
- All Asbestos Waste is appropriately wrapped or bagged;
- No Asbestos Waste is dropped or tipped from height;
- All Asbestos Waste in the Temporary Asbestos Storage Area is stored within the Asbestos Bin; and,

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- All Asbestos Waste deposited within the Asbestos Disposal Area is covered as soon as is practical, but at least by the end of each working day.

## 17. Asbestos Record Keeping

Records are an important aspect of site operations and there is to be a clear and logical system for keeping records on site. All records relating to Asbestos Waste receipt, handling and disposal need to be retained and where appropriate include information relating to:

- Asbestos Waste accepted and rejected, including as a minimum:
  - The details of Declared Asbestos loads arriving/received at the site to contain:
    - Date;
    - Customer's name;
    - Delivery vehicle registration number;
    - Estimate of the quantity of Asbestos Waste delivered; and,
    - Drop-off location:
      - Temporary Asbestos Storage Area: or,
      - Asbestos Disposal Area.
  - All Non-Declared loads, with details of:
    - Date;
    - Customer's name (if available);
    - Customer's contact details (if available);
    - Location of where the Asbestos Waste was generated (if available);
    - Delivery vehicle registration number (if available);
    - Estimate of the quantity of Asbestos Waste identified: and,
    - Incident outcome:
      - Material rejected and removed from site; or,
      - Wrapped or bagged by Customer, including drop-off location (Temporary Asbestos Storage Area or Asbestos pit).
- Asbestos Register containing all Asbestos Incident Reports; and,
- Training records.

All records must be available on site, but may be stored electronically. Records must be made available for inspection by officers from WorkSafe, DoH and DER on request.

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Asbestos Management Plan

## 18. Site Monitoring

Site monitoring will be undertaken by the Person in Control. Monitoring will be undertaken to confirm the efficiency of the risk management measures are consistent with the objectives of this Plan.

Monitoring will include visual inspections whilst the Facility is operational to ensure that fugitive emissions of dust are being adequately controlled and are not being carried outside of the premises. Where fugitive dust releases are identified their sources are to be investigated and all reasonable and practicable measures implemented to prevent or minimise the release.

Where risk management measures are ineffective or likely to be ineffective at preventing visible dust crossing the site boundary, waste processing activities are to cease until additional measures have been put in place to prevent the discharge or until the adverse weather conditions have passed.

Monitoring is also to include the inspection of asbestos material handling activities to confirm that the handling procedures are in accordance with the requirements of this Plan.

## 19. Site Audit

The Person in Control is to undertake an annual compliance audit to confirm the effectiveness and implementation of materials acceptance, receipt, classification, unloading and inspection procedures. The audit is also to include confirmation of the effectiveness of personnel training including the staff's ability to recognise asbestos, records and document retention, the effectiveness of the Asbestos Management Plan and degree to which it reflects of site operations.

## 20. Plan Review

This Plan is to be reviewed by the Person in Control at least annually or more regularly if circumstances warrant. Where necessary, this AMP is to be updated to reflect industry best practice with regards to asbestos management.

## Appendices

The following appendices are applicable to this Plan:

**Appendix No. 1 – Examples of Asbestos Containing Materials**

**Appendix No. 2 – Selection and Use of Personal Protective Equipment**

**Appendix No. 3 - Asbestos Incident Report**

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Asbestos Management Plan

## Appendix No. 1 – Examples of Asbestos Containing Materials

(This is not an exhaustive list)

### A

Air-conditioning ducts: exterior or interior acoustic and thermal insulation  
Arc shields in lift motor rooms or large electrical cabinets  
Asbestos-based plastics products - as electrical insulates and acid-resistant compositions or aircraft seat  
Asbestos ceiling tiles  
Asbestos cement conduit  
Asbestos cement electrical fuse boards  
Asbestos cement external roofs and walls  
Asbestos Cement in the use of form work when pouring concrete  
Asbestos cement internal flues and downpipes  
Asbestos cement moulded products such as gutters, ridge cappings, gas meter covers, cable troughs and covers  
Asbestos cement pieces for packing spaces between floor joists and piers  
Asbestos cement (underground) pits, as used for traffic control wiring, telecommunications cabling, etc  
Asbestos cement render, plaster, mortar and coursework  
Asbestos cement sheet  
Asbestos cement sheet behind ceramic tiles  
Asbestos cement sheet internal over exhaust canopies such as ovens, fume cupboards, etc.  
Asbestos cement sheet internal walls and ceilings  
Asbestos cement sheet underlays for vinyl  
Asbestos cement storm drain pipes  
Asbestos cement water pipes (usually underground)  
Asbestos-containing laminates (e.g. formica) used where heat resistance is required, e.g. ships  
Asbestos-containing pegboard  
Asbestos felts  
Asbestos marine board, e.g. marinate  
Asbestos mattresses used for covering hot equipment in power stations  
Asbestos paper used variously for insulation, filtering and production of fire resistant laminates  
Asbestos roof tiles  
Asbestos textiles  
Asbestos textile gussets in air-conditioning ducting systems  
Asbestos yarn  
Autoclave / steriliser insulation

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**B**

Bitumen-based water proofing such as malthoid, typically on roofs and floors but also in brickwork  
Bituminous adhesives and sealants  
Boiler gaskets  
Boiler insulation, slabs and wet mix  
Brake disc pads  
Brake linings

**C**

Cable penetration insulation bags (typically Telecom)  
Calorifier insulation  
Car body filters (not common)  
Caulking compounds, sealant and adhesives  
Cement render  
Chrysotile wicks in kerosene heaters  
Clutch faces  
Compressed Asbestos cement panels for flooring, typically verandas, bathrooms and steps for demountable buildings  
Compressed Asbestos fibres (CAF) used in brakes and gaskets for plant and automobiles

**D**

Door seals on ovens

**E**

Electric heat banks - block insulation  
Electric hot water services - normally not Asbestos but some millboard could be present  
Electric light fittings, high wattage, insulation around fitting (and bituminised)  
Electrical switchboards – see Pitch-based  
Exhausts on vehicles

**F**

Filler in acetylene gas cylinders  
Filters - beverage; wine filtration  
Fire blankets  
Fire curtains  
Fire door insulation  
Fire-rated wall rendering containing Asbestos with mortar  
Fire-resistant plaster board, typically on ships  
Fire-retardant material on steel work supporting reactors on columns in refineries in the chemical industry  
Flexible hoses  
Floor vinyl sheets  
Floor vinyl tiles  
Fuse blankets and ceramic fuses in switchboards

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**G**

Galbestos™ roofing materials (decorative coating on metal roof for sound proofing)  
Gaskets - chemicals, refineries  
Gaskets - general  
Gauze mats in laboratories / chemical refineries  
Gloves - Asbestos

**H**

Hairdryers - insulation around heating elements  
Header (manifold) insulation

**I**

Insulation blocks  
Insulation in electric reheat units for air-conditioner systems

**L**

Laboratory bench tops  
Laboratory fume cupboard panels  
Laboratory ovens - wall insulation  
Lagged exhaust pipes on emergency power generators  
Lagging in penetrations in fireproof walls  
Lifts shafts - Asbestos cement panels lining the shaft at the opening of each floor,  
and Asbestos packing around penetrations  
Limpet Asbestos spray insulation  
Locomotives - steam; lagging on boilers, steam lines, steam dome and gaskets

**M**

Mastics  
Millboard between heating unit and wall  
Millboard lining of switchboxes  
Mortar

**P**

Packing materials for gauges, valves, etc., can be square packing, rope or loose fibre  
Packing material on window anchorage points in high rise buildings  
Paint, typically industrial epoxy paints  
Penetrations through concrete slabs in high rise buildings  
Pipe insulation including moulded sections, water-mix type, rope braid and sheet  
Pitch-based (e.g. zelemite, ausbestos, lebah) electrical switchboard  
Plaster and plaster cornice adhesives



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**R**

Refractory linings  
Refractory tiles  
Rubber articles - extent of usage unknown

**S**

Sealant between floor slab and wall, usually in boiler rooms, risers or lift shafts  
Sealant or mastik on windows  
Sealants and mastics in airconditioning ducting joints  
Spackle or plasterboard wall jointing compounds  
Sprayed insulation - acoustic wall and ceiling  
Sprayed insulation - beams and ceiling slabs  
Sprayed insulation - fire retardant sprayed on nut internally, for bolts holding external building wall panels  
Stoves - old domestic type; wall insulation

**T**

Tape and rope - lagging and jointing  
Tapered ends of pipe lagging, where lagging is not necessarily Asbestos  
Tilux sheeting in place of ceramic tiles in bathrooms  
Trailing cable under lift cabins  
Trains - country - guards vans - millboard between heater and wall  
Trains - Harris cars - sprayed Asbestos between steel shell and laminex

**V**

Valve, pump, etc. insulation

**W**

Welding rods  
Woven Asbestos cable sheath

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## Appendix No. 2 – Selection and Use of Personal Protective Equipment

Personal protective equipment may need to be used, in combination with other effective control measures, when working with asbestos-containing materials. The selection and use of PPE should be based on risk assessments and determined by a competent person.

The ease of decontamination should be one of the factors considered when choosing PPE. Where possible, disposable equipment should be used. All disposable PPE should be disposed of as asbestos waste.

### Footwear and gloves

Laced boots should be avoided, as they can be difficult to clean and asbestos dust can gather in the laces and eyelets. Laceless boots, such as gumboots, are preferred where practicable, and boot covers should be worn where necessary.

Safety footwear must be decontaminated before leaving the asbestos work area for any reason, or sealed in double bags for use only on the next asbestos maintenance task. Alternatively, work boots that cannot be effectively decontaminated must be disposed of as asbestos waste at the end of the job.

The use of protective gloves should be determined by a risk assessment. If significant amounts of asbestos fibres may be present, disposable gloves should be worn. Protective gloves can be unsuitable if dexterity is required. Workers must clean their hands and fingernails thoroughly after work, and any gloves used they must be disposed of as asbestos waste.

### Respirators

In general, the selection of suitable respiratory protection equipment depends on the nature of the asbestos work, the probable maximum concentrations of asbestos fibres that would be encountered in this work and any personal characteristics of the wearer that may affect the facial fit of the respirator (e.g. facial hair and glasses).

A competent person should determine the most efficient respirator for the task.

Respirators should comply with AS/NZS 1716-2003 Respiratory Protective Devices and be selected, used and maintained in accordance with AS/NZS 1715-1994 Selection, Use and Maintenance of Respiratory Protective Devices. They should always be worn under fitted hoods. Facepieces should be cleaned and disinfected according to the manufacturer's instructions.

Respiratory protective equipment should be used until all contaminated disposable coveralls and clothing has been vacuum cleaned and/or removed and bagged for disposal, and personal washing has been completed. Respirators should be properly stored when not in use.

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**Appendix No. 3 - Asbestos Incident Report**

<p><b>Shire of Northam</b>                  Reserve 2684 Old Quarry Road, Northam  <b>OLD QUARRY ROAD WASTE MANAGEMENT FACILITY</b>                  Licence Number L6977/1997/10                  Asbestos Incident Report – Plan No. ....</p>	
Date Incident Occurred: .....	
Type of Asbestos Identified:	Sheeting <input type="checkbox"/> Piping <input type="checkbox"/> Dust <input type="checkbox"/> Other <input type="checkbox"/> Specify _____
Quantity of Asbestos Identified: .....	
Description of Incident: .....	
.....	
Person Responsible for Coordinating Activities Name: ..... Designation: .....	
Activities Undertaken:	
.....	
.....	
.....	
Future Preventative Measures Adopted:	
.....	
.....	
.....	
Facility Operator Name: ..... Signature: ..... Date Report Filed: .....	

## 12.4 CORPORATE SERVICES

### 12.4.1 Accounts & Statements of Accounts – April 2017

<b>Address:</b>	N/A
<b>Owner:</b>	N/A
<b>File Reference:</b>	2.1.3.4
<b>Reporting Officer:</b>	Creditors Officer Kathy Scholz
<b>Responsible Officer:</b>	Colin Young Executive Manager Corporate Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

For Council to receive the accounts for the period from 1<sup>st</sup> April 2017 to 30<sup>th</sup> April 2017.

#### ATTACHMENTS

Attachment 1: Accounts & Statements of Accounts – April 2017.

Attachment 2: Declaration.

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#### BACKGROUND / DETAILS

The reporting of monthly financial information is a requirement under section 6.4 of the Local Government Act 1995, and Regulation 34 of the Local Government (Financial Management) Regulations.

Pursuant to Financial Management Regulation 13, a list of payments made from Municipal and Trust accounts is required to be presented to Council on a periodical basis. These details are included as Attachment 1. In accordance with Financial Management Regulation 12, the Chief Executive Officer has delegated authority to make these payments.

#### CONSIDERATIONS

##### Strategic Community / Corporate Business Plan

Objective G2: Improve organisational capability and capacity.

Strategy G2.3: Operate / manage organisation in a financially sustainable manner.

##### Financial / Resource Implications

Payments of accounts are in accordance with Council's 2016/17 Budget.

### Legislative Compliance

Section 6.4 of the Local Government Act  
Financial Management Regulations 2007 9  
Section 6.26(2)(g) of the Local Government Act 1995

### Policy Implications

Nil.

### Stakeholder Engagement / Consultation

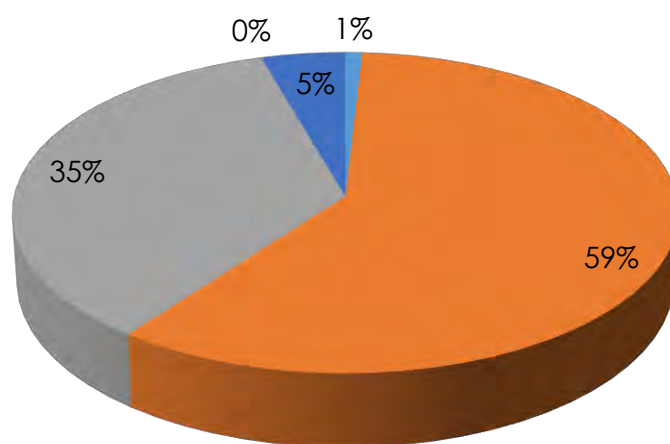
Not applicable.

### Risk Implications

Nil.

### OFFICER'S COMMENT

The matter of Council 'supporting local business' has been raised over a long period. To assist in providing a greater understanding of the purchasing patterns of the Shire of Northam, the following graph summarises the payments made locally for the month of April 2017;



- Staff Expenses
- Purchased from Shire of Northam Businesses or Individuals
- No Organisation or Business in Shire of Northam that can offer service required
- Purchase from Businesses or Individuals outside Shire of Northam
- Contract has gone to Tender

**RECOMMENDATION**

**That Council endorse the payments for the period 1<sup>st</sup> April 2017 to 30<sup>th</sup> April 2017, as listed, which have been made in accordance with the delegated authority reference number (M/F/F/Regs LGA 1995 S5.42).**

### Attachment 1

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Cheque /EFT No	Date	Name	Invoice Description	Bank Code	INV Amount	Amount
2000	28/04/2017	BUILDER'S REGISTRATION BOARD OF WA	MONTHLY BUILDING FEES COLLECTED ON BEHALF OF BSL FOR MARCH 2017.	2		5,950.63
INV T908	28/04/2017	BUILDER'S REGISTRATION BOARD OF WA	MONTHLY BUILDING FEES COLLECTED ON BEHALF OF BSL FOR MARCH 2017.	2	5,950.63	
2001	28/04/2017	BUILDING & CONSTRUCTION INDUSTRY TRAINING FUND	MONTHLY BUILDING FEES COLLECTED FOR BCITF FOR MARCH 2017.	2		6,840.10
INV T907	28/04/2017	BUILDING & CONSTRUCTION INDUSTRY TRAINING FUND	MONTHLY BUILDING FEES COLLECTED FOR BCITF FOR MARCH 2017.	2	6,840.10	
2002	28/04/2017	SHIRE OF NORTHAM	MONTHLY BUILDING COMMISSION FEE FOR COLLECTION OF BSL FOR MARCH 2017.	2		224.25
INV T908	28/04/2017	SHIRE OF NORTHAM	MONTHLY BUILDING COMMISSION FEE FOR COLLECTION OF BSL FOR MARCH 2017.	2	150.00	
INV T907	28/04/2017	SHIRE OF NORTHAM	MONTHLY BUILDING COMMISSION FEE CHARGED FOR COLLECTION OF BCITF FOR MARCH 2017.	2	74.25	
EFT26033	10/04/2017	WESTERN AUSTRALIAN TREASURY CORPORATION	Loan No. 208 Interest payment - NORTHAM COUNTRY CLUB	1		3,348.08
INV 208	10/04/2017	WESTERN AUSTRALIAN TREASURY CORPORATION	Loan No. 208 Interest payment - NORTHAM COUNTRY CLUB		3,348.08	
EFT26035	11/04/2017	ANDY'S PLUMBING SERVICE	TRAVEL TO SITE TO REPLACE TOILET PAN AT WUNDOWIE KURINGAL VILLAGE.	1		1,545.50
INV A17423	02/03/2017	ANDY'S PLUMBING SERVICE	REPAIR TO TOILET IN RAILWAYS CHANGE ROOMS.	1	720.50	
INV A17463	09/03/2017	ANDY'S PLUMBING SERVICE	TRAVEL TO SITE TO REPLACE TOILET PAN AT WUNDOWIE KURINGAL VILLAGE.	1	825.00	
EFT26036	11/04/2017	AUSTRALIAN SERVICES UNION	Payroll deductions	1		26.35
INV DEDUCT04/04/2017		AUSTRALIAN SERVICES UNION	Payroll deductions		26.35	
EFT26037	11/04/2017	AUSTRALIAN TAXATION OFFICE - PAYG	PAYG PAY RUN WEEK END 04/04/2017.	1		57,534.00
INV PAYG 0404/04/2017		AUSTRALIAN TAXATION OFFICE - PAYG	PAYG PAY RUN WEEK END 04/04/2017.	1	57,534.00	
EFT26038	11/04/2017	AUTOPRO NORTHAM	2 X HANDHELD UHF RADIO FOR WUNDOWIE	1		174.00
INV 661354	21/03/2017	AUTOPRO NORTHAM	WHEEL BRACES & TRAILOR ADAPTOR.	1	47.38	

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Cheque /EFT No	Date	Name	Invoice Description	Bank Code	INV Amount	Amount
INV 658344	28/02/2017	AUTOPRO NORTHAM	2 X HANDHELD UHF RADIO FOR WUNDOWIE	1	126.62	
EFT26039	11/04/2017	AV-SEC SECURITY SERVICES	2 X SECURITY GUARDS FOR 2017 TWILIGHT MOVIE IN BERNARD PARK ON 24/02/2017.	1		572.00
INV 4325	11/03/2017	AV-SEC SECURITY SERVICES	ALARM ATTENDANCE CALL OUT AT NORTHAM VISITOR CENTRE ON 01/03/2017, 05/03/2017 & 09/03/2017.	1	242.00	
INV 4323	06/03/2017	AV-SEC SECURITY SERVICES	2 X SECURITY GUARDS FOR 2017 TWILIGHT MOVIE IN BERNARD PARK ON 24/02/2017.	1	330.00	
EFT26040	11/04/2017	AVON COMPUTECH	SPARE ASUS LAPTOP A541UA i7, 8GB DDR4 2133Mhz, 250GB SSD	1		1,385.00
INV Y0257	31/03/2017	AVON COMPUTECH	SPARE ASUS LAPTOP A541UA i7, 8GB DDR4 2133Mhz, 250GB SSD	1	1,385.00	
EFT26041	11/04/2017	AVON DEMOLITION & EARTHMOVING	MANAGEMENT OF INKPEN ROAD WASTE MANAGEMENT FACILITY FROM 14/3/2017 TO 26/03/2017.	1		1,568.00
INV 0149	26/03/2017	AVON DEMOLITION & EARTHMOVING	MANAGEMENT OF INKPEN ROAD WASTE MANAGEMENT FACILITY FROM 14/3/2017 TO 26/03/2017.	1	1,568.00	
EFT26042	11/04/2017	AVON PAPER SHRED	EMPTYING OF SHREDDER BIN - ADMIN BUILDING	1		55.00
INV 389	16/03/2017	AVON PAPER SHRED	EMPTYING OF SHREDDER BIN - ADMIN BUILDING	1	55.00	
EFT26043	11/04/2017	AVON SHEARING SUPPLIES & COUNTRY CLOTHING	BOOTS ALLOWANCE FOR COLIN LEWIS.	1		150.00
INV 195	27/03/2017	AVON SHEARING SUPPLIES & COUNTRY CLOTHING	BOOTS ALLOWANCE FOR COLIN LEWIS.	1	150.00	
EFT26044	11/04/2017	AVON TELECOMS PTY LTD	NORTHAM RAILWAY MUSEUM. REPLACE FAILED SECURITY SYSTEM.	1		2,862.00
INV 0000437819/03/2017		AVON TELECOMS PTY LTD	NORTHAM RAILWAY MUSEUM. REPLACE FAILED SECURITY SYSTEM.	1	2,862.00	
EFT26045	11/04/2017	AVON VALLEY TOYOTA	REPAIRS TO SEIZED AND LEAKING REAR WHEEL CYLINDERS ON N577.	1		1,695.84
INV 288506	02/03/2017	AVON VALLEY TOYOTA	REPAIRS TO SEIZED AND LEAKING REAR WHEEL CYLINDERS ON N577.	1	1,254.85	
INV 289525	28/03/2017	AVON VALLEY TOYOTA	10000KM SERVICE TO RAV 4 - ENVIRONMENTAL HEALTH OFFICE VEHICLE - PN1403 - N9467	1	440.99	



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Cheque /EFT No	Date	Name	Invoice Description	Bank Code	INV Amount	Amount
EFT26046	11/04/2017	AVON WASTE	DOMESTIC & COMMERCIAL RUBBISH COLLECTION IN THE SHIRE OF NORTHAM FOR THE FORTNIGHT ENDING 17/03/2017.	1		36,479.30
INV 24017	17/03/2017	AVON WASTE	DOMESTIC & COMMERCIAL RUBBISH COLLECTION IN THE SHIRE OF NORTHAM FOR THE FORTNIGHT ENDING 17/03/2017.	1	36,479.30	
EFT26047	11/04/2017	BRICK MART	LAYING OF STEPS ON MINSON AVE NORTHAM AS PER DRAWING WITH TAPERED STAIR WELLS AS PER QUOTE# 9113. SUPPLY 100 RECONSTITUTED LIMESTONE BLOCKS 500X350X240 BEVELLED. SUPPLY 55 RECONSTITUTED LIMESTONE BLOCKS 1000X350X165 BEVELLED. LAYING 155 LIMESTONE BLOCKS. SUPPLY & DELIVER 2M3 OF SAND. SUPPLY & DELIVER 1M3 OF CRACKER DUST. SUPPLY 22 BAGS OF CEMENT. EARTHWORKS, PREPPING & SHAPPING.	1		11,000.01
INV 643	25/11/2016	BRICK MART	LAYING OF STEPS ON MINSON AVE NORTHAM AS PER DRAWING WITH TAPERED STAIR WELLS AS PER QUOTE# 9113. SUPPLY 100 RECONSTITUTED LIMESTONE BLOCKS 500X350X240 BEVELLED. SUPPLY 55 RECONSTITUTED LIMESTONE BLOCKS 1000X350X165 BEVELLED. LAYING 155 LIMESTONE BLOCKS. SUPPLY & DELIVER 2M3 OF SAND. SUPPLY & DELIVER 1M3 OF CRACKER DUST. SUPPLY 22 BAGS OF CEMENT. EARTHWORKS, PREPPING & SHAPPING.	1	11,000.01	
EFT26048	11/04/2017	CANNON HYGIENE AUSTRALIA PTY LTD	SANITARY UNIT MONTHLY SERVICE AT NORTHAM REC CENTRE BI ANNUAL INVOICE FROM 13/03/2017	1		824.10
INV 0007387113/03/2017	13/03/2017	CANNON HYGIENE AUSTRALIA PTY LTD	SANITARY UNIT MONTHLY SERVICE AT NORTHAM REC CENTRE BI ANNUAL INVOICE FROM 13/03/2017	1	824.10	

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Cheque /EFT No	Date	Name	Invoice Description	Bank Code	INV Amount	Amount
EFT26049	11/04/2017	CARLA OLIVER MILLAR	REIMBURSEMENT FOR WINDOW REPLACEMENT COSTS DUE TO STAFF WHIPER SNIPPING & A ROCK KICKED UP & BROKE WINDOW ON CAR. THIS HAS BEEN VERIFIED BY THE STAFF MEMBER.	1		320.00
INV 0000779021/03/2017		CARLA OLIVER MILLAR	REIMBURSEMENT FOR WINDOW REPLACEMENT COSTS DUE TO STAFF WHIPER SNIPPING & A ROCK KICKED UP & BROKE WINDOW ON CAR. THIS HAS BEEN VERIFIED BY THE STAFF MEMBER.	1	320.00	
EFT26050	11/04/2017	CENTRAL MOBILE MECHANICAL REPAIRS	REPLACE BROKEN BRAKE DRUM AND HUB R/H SIDE	1		12,546.94
INV 0000174514/03/2017		CENTRAL MOBILE MECHANICAL REPAIRS	PN1222 - 50,000KM SERVICE.	1	725.01	
INV 0000178604/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	2750HR SERVICE ON GRADER PN1314 - HYDRAULIC FLUID LEAKING FROM ERMERGENCY STEERING AND LEFT HAND RAM TOP, BRAKE WARNING STILL GOING OFF	1	1,620.91	
INV 0000178704/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	PN1503 - 100,000KM SERVICE TO FORD RANGER UTE	1	378.62	
INV 0000177804/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	BACKHOE PN3555 FIX LEAK FROM REAR HYDRAULICS (UNDER CONTROLS), BONNET WONT LATCH, REAR STABLIZER LEG DROPPING, ROOF LEAKS AND ENGINE OVERHEATING	1	1,096.26	
INV 0000178004/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	FITTING OF SUPPLIED BELTS TO PN1314 VOLVO GRADER	1	389.95	
INV 0000177704/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	PN0916 - FIT DOOR TO CLARK BLBCAT, GREASE NIPPLE MISSING FROM TOP RIGHT FRONT WHEL, PARK BRAKE JAMS ON SOMETIMES AND HYDRAULIC LEAK AT CONNECTION FOR ATTACHMENT	1	1,035.98	
INV 0000178504/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	SLOW CONTROL STICK ON CRANE HAS BROKEN OFF PN0913	1	503.80	
INV 0000178404/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	REWELD PUMP ON THO THE REAR OF PN1611	1	181.50	
INV 0000178304/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	REPLACE BROKEN BRAKE DRUM AND HUB R/H SIDE	1	2,030.49	
INV 0000178204/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	PN1502 TYRE ROLLER 1400HR SERVICE	1	1,107.92	
INV 0000178104/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	SERVICE PN0806 AND REPLACE ALL SUPPLIED BELTS	1	1,647.86	
INV 0000177904/04/2017		CENTRAL MOBILE MECHANICAL REPAIRS	REPAIR BROKEN L/H FRONT WHEEL BRAKE DRUMS AND REPLACE HUB AS REQUIRED	1	1,828.64	

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EFT26051	11/04/2017	CHILD SUPPORT AGENCY	Payroll deductions	1		1,110.01
INV DEDUCT04/04/2017		CHILD SUPPORT AGENCY	Payroll deductions		1,110.01	
EFT26052	11/04/2017	CHRIS DAVIDSON	COUNCILLOR PAYMENTS MARCH 2017.	1		2,025.61
INV MARCH 31/03/2017		CHRIS DAVIDSON	COUNCILLOR PAYMENTS MARCH 2017.		2,025.61	
EFT26053	11/04/2017	CHRISTOPHER RICHARD ANTONIO	COUNCILLOR PAYMENTS MARCH 2017	1		2,127.73
INV MARCH 31/03/2017		CHRISTOPHER RICHARD ANTONIO	COUNCILLOR PAYMENTS MARCH 2017		2,127.73	
EFT26054	11/04/2017	CJD EQUIPMENT PTY LTD	PARTS FOR GRADERS.	1		723.79
INV 1493581	09/03/2017	CJD EQUIPMENT PTY LTD	SEAL KIT FOR PN3555.	1	263.00	
INV 1492365	07/03/2017	CJD EQUIPMENT PTY LTD	PARTS FOR GRADERS.	1	460.79	
EFT26055	11/04/2017	COUNTRYWIDE LANDSCAPING	LATE PAYMENT PENALTY INTEREST ON INVOICE# 22059.	1		224.64
INV 22437	06/12/2016	COUNTRYWIDE LANDSCAPING	LATE PAYMENT PENALTY INTEREST ON INVOICE# 22059.	1	224.64	
EFT26056	11/04/2017	COUNTRYWIDE POOLS	CHEMICALS FOR NORTHAM & WUNDOWIE POOL.	1		9,359.97
INV 22846	23/02/2017	COUNTRYWIDE POOLS	X6 PUREX 2.5L PHOSPHATE REMOVER FOR POOLS.	1	199.65	
INV 22813	15/02/2017	COUNTRYWIDE POOLS	X20 BUFFER 25KG SODIUM BICARBONATE & X15 PUREX LIQUID CHLORINE 20LT FOR THE POOLS.	1	1,069.92	
INV 22813	15/02/2017	COUNTRYWIDE POOLS	X1 MM X MT HOSE FOR NORTHAM POOL	1	363.00	
INV 22840	23/02/2017	COUNTRYWIDE POOLS	X1 CTX 250 HIGH PERFORMANCE PUMP.	1	841.50	
INV 22356	23/11/2016	COUNTRYWIDE POOLS	WHIPPER SNIPPER CORDS	1	370.00	
INV 22765	07/02/2017	COUNTRYWIDE POOLS	CHLORINE, CHAIN SAW CHAINS & ROUND FILES FOR CHAINSAWS.	1	296.27	
INV 22899	02/03/2017	COUNTRYWIDE POOLS	POOL CHEMICALS FOR NORTHAM POOL.	1	275.00	
INV 22830	21/02/2017	COUNTRYWIDE POOLS	POOL CHEMICALS FOR WUNDOWIE POOL.	1	145.33	
INV 22847	23/02/2017	COUNTRYWIDE POOLS	GRASS CATCHER FOR HONDA MOWER AND CATCHER FLAP SPRING	1	148.60	

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INV 22978	16/03/2017	COUNTRYWIDE POOLS	REPAIR DAMAGED TRANSMISSION DUE TO ROCK BEING STUCK & NOT BEING ABLE TO DRIVE BACK & FORWARDS. ALSO 1ST SERVICE TO BE CONDUCTED WHILE MOWER BEING REPAIRED.	1	329.00	
INV 22987	17/03/2017	COUNTRYWIDE POOLS	EDGER BLADES	1	200.00	
INV 22898	27/02/2017	COUNTRYWIDE POOLS	COMMERCIAL HOSE, HOSE CUFF & FREIGHT COST FOR NORTHAM POOL.	1	361.99	
INV 22855	25/02/2017	COUNTRYWIDE POOLS	HABCO BROOM, WISHBONE & MECHANICAL SEAL FOR NORTHAM POOL.	1	53.53	
INV 22681	23/01/2017	COUNTRYWIDE POOLS	TESTING TABLETS & ACID FOR WATER PARK.	1	913.77	
INV 22681	23/01/2017	COUNTRYWIDE POOLS	CHEMICALS FOR NORTHAM & WUNDOWIE POOL.	1	3,549.21	
INV 22954	14/03/2017	COUNTRYWIDE POOLS	CHAINSAWS CHAIN, AND BAR OIL.	1	243.20	
EFT26057	11/04/2017	COURIER AUSTRALIA	DELIVERIES FOR THE PERIOD 16/02/2017 TO 23/02/2017.	1		439.49
INV 0292	24/02/2017	COURIER AUSTRALIA	DELIVERIES FOR THE PERIOD 16/02/2017 TO 23/02/2017.	1	320.76	
INV 0295	17/03/2017	COURIER AUSTRALIA	FREIGHT CHARGES FOR LIBRARY & CESM FOR W/E 17/03/2017.	1	63.47	
INV 0294	10/03/2017	COURIER AUSTRALIA	FREIGHT CHARGES FOR DEPOT & REC CENTRE - W/E 10/03/2017.	1	55.26	
EFT26058	11/04/2017	COVS PARTS PTY LTD	MUDFLAPS 500X500 FOR PN1515	1		162.32
INV 1690007002/03/2017		COVS PARTS PTY LTD	MUDFLAPS 500X500 FOR PN1515	1	95.79	
INV 1690007614/03/2017		COVS PARTS PTY LTD	2 X BAGS OF RAGS	1	66.53	
EFT26059	11/04/2017	DAIMLER TRUCKS PERTH	FUEL CAP FOR PN1515.	1		89.36
INV 6110666E22/03/2017		DAIMLER TRUCKS PERTH	FUEL CAP FOR PN1515.	1	89.36	
EFT26060	11/04/2017	DENIS GRAHAM BERESFORD	COUNCILLOR PAYMENTS MARCH 2017	1		1,905.73
INV MARCH 31/03/2017		DENIS GRAHAM BERESFORD	COUNCILLOR PAYMENTS MARCH 2017		1,905.73	
EFT26061	11/04/2017	DESMOND ARNOLD HUGHES	COUNCILLOR PAYMENTS MARCH 2017	1		1,905.73
INV MARCH 31/03/2017		DESMOND ARNOLD HUGHES	COUNCILLOR PAYMENTS MARCH 2017		1,905.73	

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EFT26062	11/04/2017	DRACO AIR PTY LTD	NORTHAM VISITOR CENTRE. REPIARS TO AIR CONDITIONERS.	1		1,501.84
INV DA6095	21/03/2017	DRACO AIR PTY LTD	NORTHAM VISITOR CENTRE. REPIARS TO AIR CONDITIONERS.	1	841.84	
INV DA6094	21/03/2017	DRACO AIR PTY LTD	VISITORS CENTRE - CAFE: SATURDAY CALL OUT SERVICE, DE-ICE COOL ROOM ETC AS REQUIRED.	1	660.00	
EFT26063	11/04/2017	FRAMESWEST	SUPPLY & INSTALL GRATING TO INKPEN REFUSE SITE.	1		11,833.80
INV 0001251322/03/2017		FRAMESWEST	SUPPLY & INSTALL GRATING TO INKPEN REFUSE SITE.	1	11,833.80	
EFT26064	11/04/2017	FRONTLINE FIRE & RESCUE EQUIPMENT	BAKERS HILL 2.4 - 1003-GL REPLACEMENT STRAP FOR MONITOR	1		919.77
INV 55930	31/01/2017	FRONTLINE FIRE & RESCUE EQUIPMENT	BAKERS HILL 2.4 - 1003-GL REPLACEMENT STRAP FOR MONITOR	1	919.77	
EFT26065	11/04/2017	GLENN STUART BEVERIDGE	REPAIRS TO BASKETBALL/NETBALL RINGS & BROKEN WINDOWS ON 06/04/2017.	1		946.00
INV 62	07/04/2017	GLENN STUART BEVERIDGE	INSTALL PROJECTOR IN HOSPITALITY ROOM CEILING ON 01/04/2017.	1	462.00	
INV 57	07/04/2017	GLENN STUART BEVERIDGE	REPAIRS TO BASKETBALL/NETBALL RINGS & BROKEN WINDOWS ON 06/04/2017.	1	484.00	
EFT26066	11/04/2017	HILLS CONCRETE PRODUCTS	X4 1950MM X 1500MM CONCRETE HEAD WALLS FOR CULVERTS ON SPENCERS BROOK ROAD AS PER DIAGRAM MINUS THE FOOTINGS BUILT ONTO THEM.	1		3,823.60
INV 3471	09/03/2017	HILLS CONCRETE PRODUCTS	X4 1950MM X 1500MM CONCRETE HEAD WALLS FOR CULVERTS ON SPENCERS BROOK ROAD AS PER DIAGRAM MINUS THE FOOTINGS BUILT ONTO THEM.	1	3,823.60	
EFT26067	11/04/2017	HOST AUTO REPAIRS	REPAIR STARTER MOTOR ON INKPEN 2.4 ISUZU N3113.	1		1,870.15
INV 60024	21/03/2017	HOST AUTO REPAIRS	REPAIR STARTER MOTOR ON INKPEN 2.4 ISUZU N3113.	1	1,870.15	
EFT26068	11/04/2017	IREDALE PEDERSEN HOOK ARCHITECTS	ARCHITECTURAL DESIGN SERVICES FOR ABORIGINAL & ENVIRONMENTAL INTERPRETIVE CENTRE.	1		6,161.00
INV 0000442508/03/2017		IREDALE PEDERSEN HOOK ARCHITECTS	ARCHITECTURAL DESIGN SERVICES FOR ABORIGINAL & ENVIRONMENTAL INTERPRETIVE CENTRE.	1	221.00	
INV 0000442808/03/2017		IREDALE PEDERSEN HOOK ARCHITECTS	ARCHITECTURAL DESIGN SERVICES FOR ABORIGINAL & ENVIRONMENTAL INTERPRETIVE CENTRE.	1	1,980.00	

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INV 0000442708/03/2017		IREDALE PEDERSEN HOOK ARCHITECTS	ARCHITECTURAL DESIGN SERVICES FOR ABORIGINAL & ENVIRONMENTAL INTERPRETIVE CENTRE.	1	3,960.00	
EFT26069	11/04/2017	IXOM OPERATIONS PTY LTD	CHLORINE SERVICE FEE FOR MARCH 2017.	1		522.75
INV 5809059	31/03/2017	IXOM OPERATIONS PTY LTD	CHLORINE SERVICE FEE FOR MARCH 2017.	1	522.75	
EFT26070	11/04/2017	JOHN BLACKWELL	EXCESS TO CUSTOMERS INSURANCE FOR STORM WATER DAMAGE TO HIS AIR CONDITIONER FROM OUR DRAIN.	1		400.00
INV CY27032027/03/2017		JOHN BLACKWELL	EXCESS TO CUSTOMERS INSURANCE FOR STORM WATER DAMAGE TO HIS AIR CONDITIONER FROM OUR DRAIN.	1	400.00	
EFT26071	11/04/2017	JOHN PROUD	COUNCILLOR PAYMENTS MARCH 2017	1		1,905.73
INV MARCH 31/03/2017		JOHN PROUD	COUNCILLOR PAYMENTS MARCH 2017	1	1,905.73	
EFT26072	11/04/2017	JULIE ELLEN GREENFIELD WILLIAMS	COUNCILLOR PAYMENTS MARCH 2017	1		1,905.73
INV MARCH 31/03/2017		JULIE ELLEN GREENFIELD WILLIAMS	COUNCILLOR PAYMENTS MARCH 2017		1,905.73	
EFT26073	11/04/2017	KERBTECH P/L T/A GDR CIVIL CONTRACTING	SUPPLY & DELIVER 75T SAND @ \$24.75 PER TONNE TO HENRY STREET OVAL.	1		2,041.88
INV 001107	13/03/2017	KERBTECH P/L T/A GDR CIVIL CONTRACTING	SUPPLY & DELIVER 75T SAND @ \$24.75 PER TONNE TO HENRY STREET OVAL.	1	2,041.88	
EFT26074	11/04/2017	KOMATSU AUSTRALIA PTY LTD	SWITCH (42C-06-15131) FOR PN1003.	1		170.14
INV 0005937117/03/2017		KOMATSU AUSTRALIA PTY LTD	SWITCH (42C-06-15131) FOR PN1003.	1	170.14	
EFT26075	11/04/2017	LGIS - RISK MANAGEMENT	LGISWA AVON/CENTRAL MIDLANDS REGIONAL RISK COORDINATION PROGRAMME PROJECT NUMBER 9464 SERVICES TO 22/03/2017. RRC PROGRAMME 2ND INSTALEMENT 2016/2017.	1		7,492.10
INV 156-015423/03/2017		LGIS - RISK MANAGEMENT	LGISWA AVON/CENTRAL MIDLANDS REGIONAL RISK COORDINATION PROGRAMME PROJECT NUMBER 9464 SERVICES TO 22/03/2017. RRC PROGRAMME 2ND INSTALEMENT 2016/2017.	1	7,492.10	

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EFT26076	11/04/2017	LLOYDS EARTHMOVING	100L CLARET ASH TREES FOR REPLACEMENT IN FITZGERALD STREET	1		1,380.00
INV 8000	16/06/2016	LLOYDS EARTHMOVING	4 CUBIC METRES COMPOST FOR AVAS CAR PARK - WILL BE COLLECTED BY THE SHIRE.	1	480.00	
INV 8460	23/03/2017	LLOYDS EARTHMOVING	100L CLARET ASH TREES FOR REPLACEMENT IN FITZGERALD STREET	1	900.00	
EFT26077	11/04/2017	LOCAL GOVERNMENT AND RACECOURSE EMPLOYEES UNION	Payroll deductions	1		20.50
INV DEDUCT04/04/2017		LOCAL GOVERNMENT AND RACECOURSE EMPLOYEES UNION	Payroll deductions		20.50	
EFT26078	11/04/2017	LOUISA JANE DYER	REIMBURSEMENT FOR LIBRARY PROGRAMMES - BETTER BEGINNINGS, CRAFT & KIDS DROP IN SATURDAYS AT WUNDOWIE.	1		58.43
INV VJ30032030/03/2017		LOUISA JANE DYER	REIMBURSEMENT FOR LIBRARY PROGRAMMES - BETTER BEGINNINGS, CRAFT & KIDS DROP IN SATURDAYS AT WUNDOWIE.	1	58.43	
EFT26079	11/04/2017	LYNDA BURKE	REFUND OF FOOD BUSINESS REGISTRATION FEE DUE TO REVERSAL OF COUNTRY CLUBS DECISION TO ALLOW HER BUSINESS TO CATER FROM THERE ON A PERMANENT BASIS.	1		285.00
INV 101637	29/03/2017	LYNDA BURKE	REFUND OF FOOD BUSINESS REGISTRATION FEE DUE TO REVERSAL OF COUNTRY CLUBS DECISION TO ALLOW HER BUSINESS TO CATER FROM THERE ON A PERMANENT BASIS.	1	285.00	
EFT26080	11/04/2017	MATHEW MACQUEEN	SUPPLY & INSTALL ,ONITOR, MOUNT AND HDMI TO LIGHTING CABLE & SUPPLY CANON COLOR PRINTER/SCANNED WITH WIFI AND APPLE PRINT, INK PAPER.	1		750.00
INV 610B	15/03/2017	MATHEW MACQUEEN	SUPPLY & INSTALL ,ONITOR, MOUNT AND HDMI TO LIGHTING CABLE & SUPPLY CANON COLOR PRINTER/SCANNED WITH WIFI AND APPLE PRINT, INK PAPER.	1	750.00	
EFT26081	11/04/2017	MCDOWALL AFFLECK PTY LTD	VARIATION FOR DESIGN OF LARGE BOX CUL VERT.	1		3,300.00
INV 607502	27/02/2017	MCDOWALL AFFLECK PTY LTD	VARIATION FOR DESIGN OF LARGE BOX CUL VERT.	1	3,300.00	

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EFT26082	11/04/2017	MCLEODS BARRISTERS & SOLICITORS	LEGAL FEES FOR PROSECUTION OF MR LEON CONWAY OF LOT 104 ACACIA RETREAT, WUNDOWIE FOR OFFENCES UNDER THE PLANNING & DEVELOPMENT ACT 2005	1		1,211.67
INV 97221	31/03/2017	MCLEODS BARRISTERS & SOLICITORS	LEGAL FEES FOR PROSECUTION OF MR LEON CONWAY OF LOT 104 ACACIA RETREAT, WUNDOWIE FOR OFFENCES UNDER THE PLANNING & DEVELOPMENT ACT 2005	1	1,211.67	
EFT26083	11/04/2017	MOORE STEPHENS (WA) PTY LTD	INTERIM BILLING IN RESPECT OF THE AUDIT FOR THE YEAR ENDED 30TH JUNE 2017 IN ACCORDANCE WITH OUR AGREEMENT.	1		12,666.50
INV 205909	22/03/2017	MOORE STEPHENS (WA) PTY LTD	INTERIM BILLING IN RESPECT OF THE AUDIT FOR THE YEAR ENDED 30TH JUNE 2017 IN ACCORDANCE WITH OUR AGREEMENT.	1	11,786.50	
INV 205905	22/03/2017	MOORE STEPHENS (WA) PTY LTD	DEFERRED PENSIONER RATES CERTIFICATION FOR THE YEAR ENDED 30 JUNE 2016.	1	880.00	
EFT26084	11/04/2017	NATIONAL TAX MANAGER	RENEWAL OF SUBSCRIPTION TO TAX MADE EASY, FBT MADE EASY AND RENEWAL OF LICENSE TO 2017 FBT ORGANISER FOR THE 12 MONTH PERIOD ENDING 31/03/2018.	1		434.50
INV 8013	24/02/2017	NATIONAL TAX MANAGER	RENEWAL OF SUBSCRIPTION TO TAX MADE EASY, FBT MADE EASY AND RENEWAL OF LICENSE TO 2017 FBT ORGANISER FOR THE 12 MONTH PERIOD ENDING 31/03/2018.	1	434.50	
EFT26085	11/04/2017	NETSIGHT	MYOSH MONTHLY SUBSCRIPTION - APRIL 2017.	1		663.30
INV INV-188401/04/2017		NETSIGHT	MYOSH MONTHLY SUBSCRIPTION - APRIL 2017.	1	663.30	
EFT26086	11/04/2017	NORTHAM & DISTRICTS GLASS SERVICE	SUPPLY AND FIT INVISI-GUARD SECURITY SCREEN TO CASE TRACTOR PN1213 POWDERCOAT BLACK	1		1,194.60
INV 0000885731/03/2017		NORTHAM & DISTRICTS GLASS SERVICE	SUPPLY AND FIT INVISI-GUARD SECURITY SCREEN TO CASE TRACTOR PN1213 POWDERCOAT BLACK	1	1,194.60	
EFT26087	11/04/2017	NORTHAM COUNTRY CLUB	SILVERSPORT FUNDING	1		350.00



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INV 98	23/03/2017	NORTHAM COUNTRY CLUB	SILVERSPORT FUNDING	1	200.00	
INV 99	04/04/2017	NORTHAM COUNTRY CLUB	KIDSPORT FUNDING.	1	150.00	
EFT26088	11/04/2017	NORTHAM FAMILY PRACTICE	PRE-EMPLOYMENT MEDICAL FOR RENEE D'HERVILLE (PROGRAM DEVELOPMENT OFFICER)	1		236.50
INV 47602	21/03/2017	NORTHAM FAMILY PRACTICE	PRE-EMPLOYMENT MEDICAL FOR RENEE D'HERVILLE (PROGRAM DEVELOPMENT OFFICER)	1	236.50	
EFT26089	11/04/2017	NORTHAM GARDENING SERVICE	SLASHING AT 35 GOOMALLING ROAD NORTHAM.	1		1,870.00
INV INV-001810/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 35 GOOMALLING ROAD NORTHAM.	1	275.00	
INV INV-001810/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 82 HUTT STREET NORTHAM.	1	275.00	
INV INV-001916/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 16 QUEEN STREET NORTHAM.	1	275.00	
INV INV-001810/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 116 NEWCASTLE ROAD NORTHAM.	1	275.00	
INV INV-001910/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 9 BURNS STREET NORTHAM.	1	275.00	
INV INV-001810/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 1 MILLINGTON STREET NORTHAM.	1	220.00	
INV INV-001910/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 47 FORREST STREET NORTHAM.	1	275.00	
EFT26090	11/04/2017	NORTHAM JUNIOR FOOTBALL ASSOCIATION	KIDSPORT FUNDING	1		2,710.00
INV 1	30/03/2017	NORTHAM JUNIOR FOOTBALL ASSOCIATION	KIDSPORT FUNDING	1	2,710.00	
EFT26091	11/04/2017	NORTHAM MAZDA	70,000KM SERVICE FOR PN1401 BT50 MAZDA UTE.	1		736.00
INV 114633	27/03/2017	NORTHAM MAZDA	70,000KM SERVICE FOR PN1401 BT50 MAZDA UTE.	1	395.00	
INV 114641	27/03/2017	NORTHAM MAZDA	20000KM SERVICE TO MAZDA BT50 UTE PN1516 - N11196 BUILDING SUPERVISOR	1	341.00	
EFT26092	11/04/2017	NORTHAM NURSERY	WESTRINGIA NARINGA 140MM POTS	1		1,344.00
INV 59	30/03/2017	NORTHAM NURSERY	WESTRINGIA NARINGA 140MM POTS	1	1,344.00	
EFT26093	11/04/2017	NORTHAM SUB BRANCH RETURNED & SERVICES LEAGUE	ANZAC DAY CELEBRATION 2017.	1		3,100.00

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INV 2017	06/04/2017	NORTHAM SUB BRANCH RETURNED & SERVICES LEAGUE	ANZAC DAY CELEBRATION 2017.	1	3,100.00	
EFT26094	11/04/2017	NORTHAM TOWING SERVICE	REMOVE ABANDONED HOLDEN COMMODORE FROM EDMONDSON STREET, NORTHAM	1		176.00
INV 205711	11/03/2017	NORTHAM TOWING SERVICE	REMOVE ABANDONED HOLDEN COMMODORE FROM EDMONDSON STREET, NORTHAM	1	88.00	
INV 205710	11/03/2017	NORTHAM TOWING SERVICE	REMOVE WHITE VAN REGO 1AJO 745 FROM PEEL TCE, ACROSS FROM MCDONALDS	1	88.00	
EFT26095	11/04/2017	OZ KIDZ KARTZ	ELECTRIC GO KARTS & INFLATABLE GO CART SLIDE WITH STAFF FOR 2017 FLYING 50'S EVENT.	1		2,508.00
INV 057	16/03/2017	OZ KIDZ KARTZ	ELECTRIC GO KARTS & INFLATABLE GO CART SLIDE WITH STAFF FOR 2017 FLYING 50'S EVENT.	1	2,508.00	
EFT26096	11/04/2017	PERTH SAFETY PRODUCTS PTY LTD	WATER OVER ROAD METAL SIGNS TO SUIT BIPOD LEGS 900X600	1		819.50
INV 0000704509/02/2017		PERTH SAFETY PRODUCTS PTY LTD	WATER OVER ROAD METAL SIGNS TO SUIT BIPOD LEGS 900X600	1	819.50	
EFT26097	11/04/2017	POLLARD FAMILY SUPERANNUATION FUND T/A POLLARD ENTERPRISES PTY LTD	COUNCILLOR PAYMENTS MARCH 2017.	1		3,500.00
INV MARCH 31/03/2017		POLLARD FAMILY SUPERANNUATION FUND T/A POLLARD ENTERPRISES PTY LTD	COUNCILLOR PAYMENTS MARCH 2017.		3,500.00	
EFT26098	11/04/2017	QUAD SERVICES PTY LTD	CLEANING OF WUNDOWIE HALL MARCH 2017.	1		3,745.20
INV 313031	03/03/2017	QUAD SERVICES PTY LTD	CLEANING OF KATRINE PUBLIC TOILETS MARCH 2017.	1	330.72	
INV 313030	03/03/2017	QUAD SERVICES PTY LTD	CLEANING OF WUNDOWIE HALL MARCH 2017.	1	898.70	
INV 313029	03/03/2017	QUAD SERVICES PTY LTD	CLEANING OF WUNDOWIE LIBRARY MARCH 2017.	1	866.11	
INV 313028	03/03/2017	QUAD SERVICES PTY LTD	CLEANING OF WUNDOWIE PUBLIC TOILETS MARCH 2017	1	330.72	
INV 313027	03/03/2017	QUAD SERVICES PTY LTD	CLEANING OF BAKERS HILL PAVILLION MARCH 2017.	1	661.57	
INV 313026	03/03/2017	QUAD SERVICES PTY LTD	CLEANING OF BAKERS HILL PUBLIC TOILETS IN MARCH 2017.	1	330.72	
INV 313025	03/03/2017	QUAD SERVICES PTY LTD	CLEANING OF CLACKLINE PUBLIC TOILETS IN MARCH 2017.	1	326.66	

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EFT26099	11/04/2017	REGIONAL PHYSIOTHERAPY AND SPORTS INJURY CLINIC	SILVER SPORT FUNDING.	1		400.00
INV 0004565	29/03/2017	REGIONAL PHYSIOTHERAPY AND SPORTS INJURY CLINIC	SILVER SPORT FUNDING.	1	200.00	
INV 0004564	29/03/2017	REGIONAL PHYSIOTHERAPY AND SPORTS INJURY CLINIC	SILVER SPORT FUNDING.	1	200.00	
EFT26100	11/04/2017	ROBERT WAYNE TINETTI	COUNCILLOR PAYMENTS MARCH 2017	1		1,905.73
INV MARCH 31/03/2017		ROBERT WAYNE TINETTI	COUNCILLOR PAYMENTS MARCH 2017		1,905.73	
EFT26101	11/04/2017	SPECIALISED TREE SERVICE	TREE PRUNING ON TRIMMER ROAD - 2.58SLK - 4.16SLK = 3.16KM SHOULDER LENGTH WITH 11MTR CLEARANCE, 6MTRS HIGH WITH STUMPS LEFT APPROX 1MTR HIGH.	1		15,810.00
INV 2464	27/03/2017	SPECIALISED TREE SERVICE	REMOVE 4 DEAD TREES FROM VERGE AT 26 GERALD TERRACE (ICS65175)	1	840.00	
INV 2460	21/03/2017	SPECIALISED TREE SERVICE	THOMAS STREET SPENCERS BROOK TREE PRUNING FROM SERVICE LINES.	1	1,920.00	
INV 2461	21/03/2017	SPECIALISED TREE SERVICE	TREE PRUNING ON TRIMMER ROAD - 2.58SLK - 4.16SLK = 3.16KM SHOULDER LENGTH WITH 11MTR CLEARANCE, 6MTRS HIGH WITH STUMPS LEFT APPROX 1MTR HIGH.	1	13,050.00	
EFT26102	11/04/2017	STEVEN BRUCE POLLARD	COUNCILLOR PAYMENTS MARCH 2017.	1		2,476.56
INV MARCH 31/03/2017		STEVEN BRUCE POLLARD	COUNCILLOR PAYMENTS MARCH 2017.		2,476.56	
EFT26103	11/04/2017	STEWART & HEATON CLOTHING CO.PTY LTD	BUSH FIRE PPE EQUIPMENT.	1		180.07
INV SIN-271123/02/2017		STEWART & HEATON CLOTHING CO.PTY LTD	BUSH FIRE PPE EQUIPMENT.	1	180.07	
EFT26104	11/04/2017	TERRY MATTHEW LITTLE	COUNCILLOR PAYMENTS MARCH 2017	1		3,162.91
INV MARCH 31/03/2017		TERRY MATTHEW LITTLE	COUNCILLOR PAYMENTS MARCH 2017		3,162.91	
EFT26105	11/04/2017	THE ENTERTAINMENT BANK PTY LTD ATF THE ENTERTAINMENT BANK TRUST	REMOTE ACTION WITH SUPERVISORS & IMAGINATION PLAYGROUND WITH SUPERVISORS FOR 2017 NORTHAM MOTORSPORT FESTIVAL, SUNDAY 02/04/2017	1		3,300.00

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INV 0000600717/03/2017		THE ENTERTAINMENT BANK PTY LTD ATF THE ENTERTAINMENT BANK TRUST	REMOTE ACTION WITH SUPERVISORS & IMAGINATION PLAYGROUND WITH SUPERVISORS FOR 2017 NORTHAM MOTORSPORT FESTIVAL, SUNDAY 02/04/2017	1	3,300.00	
EFT26106	11/04/2017	THE WORKWEAR GROUP	UNIFORM FOR BRETT GRAHAM.	1		355.01
INV 0138183930/03/2017		THE WORKWEAR GROUP	UNIFORM FOR KOBUS NIEUWOULDT	1	124.70	
INV 0138181430/03/2017		THE WORKWEAR GROUP	UNIFORM FOR BRETT GRAHAM.	1	65.00	
INV 0138182430/03/2017		THE WORKWEAR GROUP	UNIFORM FOR BRETT GRAHAM.	1	165.31	
EFT26107	11/04/2017	TRISLEY'S HYDRAULIC SERVICES PTY LTD	SERVICE TO POOL FILTRATION SYSTEM AT WUNDOWIE POOL.	1		699.60
INV 192728	10/03/2017	TRISLEY'S HYDRAULIC SERVICES PTY LTD	SERVICE TO POOL FILTRATION SYSTEM AT WUNDOWIE POOL.	1	699.60	
EFT26109	11/04/2017	ULO RUMJANTSEV	COUNCILLOR PAYMENTS MARCH 2017	1		2,281.65
INV MARCH 31/03/2017		ULO RUMJANTSEV	COUNCILLOR PAYMENTS MARCH 2017		2,281.65	
EFT26110	11/04/2017	WA CONTRACT RANGER SERVICES	COLLECTION OF 7 CATS FROM IMPOUND FOR MARCH 2017	1		1,199.00
INV 000913	23/03/2017	WA CONTRACT RANGER SERVICES	RANGER SERVICES PROVIDED ON THE 13/3/2017.	1	484.00	
INV 00919	01/04/2017	WA CONTRACT RANGER SERVICES	COLLECTION OF 7 CATS FROM IMPOUND FOR MARCH 2017	1	715.00	
EFT26111	11/04/2017	WA GRAVEL PTY LTD	SUPPLY OF 845.74T GRAVEL FROM 15/02/2017 - 02/03/2017.	1		6,512.20
INV 0000000509/03/2017		WA GRAVEL PTY LTD	SUPPLY OF 845.74T GRAVEL FROM 15/02/2017 - 02/03/2017.	1	6,512.20	
EFT26112	11/04/2017	WAY OUT WEST CINEMA	DRUMMUSTER 8 MARCH 2017 - INSPECTION OF DRUMS	1		167.74
INV 5	08/03/2017	WAY OUT WEST CINEMA	DRUMMUSTER 8 MARCH 2017 - INSPECTION OF DRUMS	1	167.74	
EFT26113	11/04/2017	WESTERN POWER	COMMERCIAL CONNECTION AT 2 GREY STREET NORTHAM.	1		35,713.00
INV CORPB031/03/2017		WESTERN POWER	COMMERCIAL CONNECTION AT 2 GREY STREET NORTHAM.	1	35,713.00	

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EFT26114	11/04/2017	WESTWATER ENTERPRISES PTY LTD	EMERGENCY REPAIRS TO WASTE WATER RETICULATION PLANT - PLANT# W&T AAA7106 FILTER VAC REG INLET S/S MESH AS PER QUOTE# SWA-0319	1		1,873.27
INV WS0465	10/03/2017	WESTWATER ENTERPRISES PTY LTD	EMERGENCY REPAIRS TO WASTE WATER RETICULATION PLANT - PLANT# W&T AAA7106 FILTER VAC REG INLET S/S MESH AS PER QUOTE# SWA-0319	1	1,873.27	
EFT26115	11/04/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	REPAIR TRAFFIC LIGHTS - DAMAGED AERIAL CABLE	1		3,555.00
INV 6250	29/08/2016	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	REPAIR BROKEN LEFT HAND TAIL LIGHT & LEFT HAND BEACON ON HINO DUMP TIP TRUCK N.4013 (PN1222).	1	409.00	
INV 6559	31/12/2016	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	REPAIR TRAFFIC LIGHTS - DAMAGED AERIAL CABLE	1	805.00	
INV 6801	31/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	PN1218 - RH BEACON AND TAIL LIGHTS NOT WORKING	1	261.00	
INV 6800	31/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	REPLACE ANTENNA ON BARTCO TRAFFIC LIGHTS - PN1510/1510A - ANTENNA 4G BAND.	1	666.00	
INV 6803	31/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	P5013 - CAT BOBCAT L/H TAIL LIGHT NOT WORKING	1	236.00	
INV 6799	31/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	REPLACE RADIO SPEAKERS PN1006	1	416.00	
INV 6802	31/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	PN1221 - REPAIR UHF RADIO NOT WORKING	1	436.00	
INV 6798	31/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	INSTALL UHF RADIO INTO PN1611	1	326.00	
EFT26116	11/04/2017	WHEATBELT HEALTH CENTRE PHARMACY	WOUND DRESSINGS FOR KILLARA ADULT DAY CARE CENTRE.	1		43.97
INV 13890	31/03/2017	WHEATBELT HEALTH CENTRE PHARMACY	WOUND DRESSINGS FOR KILLARA ADULT DAY CARE CENTRE.	1	43.97	
EFT26117	11/04/2017	WHEATBELT SAFETYWEAR	BOOTS ALLOWANCE FOR JOHN RUTHERFORD	1		300.00
INV 7324	10/03/2017	WHEATBELT SAFETYWEAR	BOOTS ALLOWANCE FOR KEVIN LANGILLE	1	150.00	
INV 7313	07/03/2017	WHEATBELT SAFETYWEAR	BOOTS ALLOWANCE FOR JOHN RUTHERFORD	1	150.00	

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EFT26118	11/04/2017	WW SOUVENIRS GIFTS & HOMEWARES PTY LTD	STOCK PURCHASES FOR VISITORS CENTRE.	1		231.07
INV 140562	14/03/2017	WW SOUVENIRS GIFTS & HOMEWARES PTY LTD	STOCK PURCHASES FOR VISITORS CENTRE.	1	231.07	
EFT26119	18/04/2017	AUSTRALIA POST	POSTAGE FOR LIBRARY, KILLARA & ADMIN FOR MARCH 2017.	1		1,532.20
INV 1006270503/04/2017		AUSTRALIA POST	POSTAGE FOR LIBRARY, KILLARA & ADMIN FOR MARCH 2017.	1	1,532.20	
EFT26120	18/04/2017	DARREN LESLEY POLLARD	Rates refund for assessment A10032 12 ARNOLD STREET NORTHAM 6401	1		307.45
INV A10032	12/04/2017	DARREN LESLEY POLLARD	Rates refund for assessment A10032 12 ARNOLD STREET NORTHAM 6401		307.45	
EFT26121	18/04/2017	DUNNING INVESTMENTS PTY LTD	FUEL CHARGES FOR MARCH 2017	1		25,371.05
INV MARCH 31/03/2017		DUNNING INVESTMENTS PTY LTD	FUEL CHARGES FOR MARCH 2017	1	25,371.05	
EFT26122	18/04/2017	WRIGHT EXPRESS AUSTRALIA PTY LTD (PUMA ENERGY)	FUEL PURCHASED ON PUMA ACCOUNT FOR MARCH 2017.	1		2,483.84
INV MARCH 31/03/2017		WRIGHT EXPRESS AUSTRALIA PTY LTD (PUMA ENERGY)	FUEL PURCHASED ON PUMA ACCOUNT FOR MARCH 2017.	1	2,483.84	
EFT26123	20/04/2017	AUSTRALIAN TAXATION OFFICE - SUPERANNUATION	BAS MARCH 2017 REF: 42826 617380 9160.	1		5,127.00
INV MARCH 19/04/2017		AUSTRALIAN TAXATION OFFICE - SUPERANNUATION	BAS MARCH 2017 REF: 42826 617380 9160.	1	5,127.00	
EFT26124	20/04/2017	MOODJARL ABORIGINAL CORPORATION	BALLARDONG NYUNGAR LANGUAGE AND CULTURE WALWALINJ THE HILL THAT CRIES - TEXT FROM BOOK.	1		1,500.00
INV 27	14/03/2017	MOODJARL ABORIGINAL CORPORATION	BALLARDONG NYUNGAR LANGUAGE AND CULTURE WALWALINJ THE HILL THAT CRIES - TEXT FROM BOOK.	1	1,500.00	
EFT26125	21/04/2017	ADVANCED TRAFFIC MANAGEMENT (WA) PTY LTD	TMC TRAINING FOR WAYNE PEACOCK, ROBIN YARRAN , JARED WYNNE AND DAVID SLATER - 7 - 9 MARCH 2017	1		2,700.00
INV 0001015209/03/2017		ADVANCED TRAFFIC MANAGEMENT (WA) PTY LTD	TMC TRAINING FOR WAYNE PEACOCK, ROBIN YARRAN , JARED WYNNE AND DAVID SLATER - 7 - 9 MARCH 2017	1	2,700.00	
EFT26126	21/04/2017	ALL-WAYS FOODS	TOILET ROLLS FOR NORTHAM POOL.	1		64.90

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INV 29407	22/02/2017	ALL-WAYS FOODS	TOILET ROLLS FOR NORTHAM POOL.	1	64.90	
EFT26127	21/04/2017	ANDY'S PLUMBING SERVICE	NORTHAM COMMONAGE. REPAIRS TO MAINS WATER PIPE 2 OCCURANCES. LEAKING AT WATER PIPE LINE AND ALSO LEAKING ON FARM AT OLD TOILETS.	1		6,753.45
INV A17506	30/03/2017	ANDY'S PLUMBING SERVICE	UNBLOCK SEWER AT BERNARD PARK TOILETS, CHECK PLUMBING AT SHIRE ADMIN BUILDING & MONTHLY SERVICE TO WATER LESS URINALS AT BERNARD PARK TOILETS.	1	1,061.50	
INV A17508	30/03/2017	ANDY'S PLUMBING SERVICE	REPAIR WATER PIPE, WATER FOUNTAIN TAPS, REPLACE DAMAGED DOWNPIPES & CHECK PLUMBING AT BERT HAWKE PAVILLION.	1	1,314.50	
INV A17509	30/03/2017	ANDY'S PLUMBING SERVICE	CHECK & REPAIR TOILETS AT BAKERS HILL PAVILLION.	1	638.00	
INV A17507	30/03/2017	ANDY'S PLUMBING SERVICE	CHECK PLUMBING IN TOILETS AT NORTHAM SWIMMING POOL.	1	649.00	
INV A17451	07/03/2017	ANDY'S PLUMBING SERVICE	REPAIRS TO BERNARD PARK, BAKERS HILL, CLACKLINE & WUNDOWIE TOILETS.	1	959.75	
INV A17464	09/03/2017	ANDY'S PLUMBING SERVICE	REPAIRS TO WUNDOWIE, BAKERS HILL & CLACKLINE PUBLIC TOILETS.	1	758.45	
INV A17462	09/03/2017	ANDY'S PLUMBING SERVICE	NORTHAM COMMONAGE. REPAIRS TO MAINS WATER PIPE 2 OCCURANCES. LEAKING AT WATER PIPE LINE AND ALSO LEAKING ON FARM AT OLD TOILETS.	1	1,372.25	
EFT26128	21/04/2017	AUSTRALASIAN PERFORMING RIGHT ASSOCIATION LTD APRA	RETAIL & GENERAL BACKGROUND MUSIC, LIVE ARTIST PERFORMANCES & MUSIC ON HOLD LICENCE FOR THE PERIOD 01/04/2017 TO 03/06/2017.	1		467.48
INV 0119090503/04/2017		AUSTRALASIAN PERFORMING RIGHT ASSOCIATION LTD APRA	RETAIL & GENERAL BACKGROUND MUSIC, LIVE ARTIST PERFORMANCES & MUSIC ON HOLD LICENCE FOR THE PERIOD 01/04/2017 TO 03/06/2017.	1	467.48	
EFT26129	21/04/2017	AUSTRALIAN PAPER	WINDOW FACED ENVELOPES.	1		119.46
INV 9578642123/03/2017		AUSTRALIAN PAPER	WINDOW FACED ENVELOPES.	1	119.46	
EFT26130	21/04/2017	AUSTRALIAN SERVICES UNION	Payroll deductions	1		26.35
INV DEDUCT18/04/2017		AUSTRALIAN SERVICES UNION	Payroll deductions		26.35	

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EFT26131	21/04/2017	AUSTRALIAN TAXATION OFFICE - PAYG	PAYG PAY RUN WEEK END 18/04/2017.	1		57,260.00
INV PAYG 1820/04/2017		AUSTRALIAN TAXATION OFFICE - PAYG	PAYG PAY RUN WEEK END 18/04/2017.	1	57,260.00	
EFT26132	21/04/2017	AVON TELECOMS PTY LTD	SERVICE CALL TO WUNDOWIE LIBRARY TO DISCONNECT ALARM SYSTEM WINDOW SENSORS ON 12/04/2017.	1		419.70
INV 0000442312/04/2017		AVON TELECOMS PTY LTD	SERVICE CALL TO WUNDOWIE LIBRARY TO DISCONNECT ALARM SYSTEM WINDOW SENSORS ON 12/04/2017.	1	300.00	
INV 0000438121/03/2017		AVON TELECOMS PTY LTD	SECURITY MONITORING FOR MARCH 2017 AT MEMORIAL HALL, OLD RAILWAY STATION, MORBY COTTAGE & NORTHAM SWIMMING POOL.	1	119.70	
EFT26133	21/04/2017	AVON VALLEY ADULT RIDING CLUB INC	SILVERSPORT FUNDING.	1		200.00
INV 3	12/04/2017	AVON VALLEY ADULT RIDING CLUB INC	SILVERSPORT FUNDING.	1	200.00	
EFT26134	21/04/2017	AVON VALLEY ARTS SOCIETY (INC)	ASSORTED ITEMS FOR NORTHAM VISITOR CENTRE.	1		96.30
INV 0004552312/04/2017		AVON VALLEY ARTS SOCIETY (INC)	ASSORTED ITEMS FOR NORTHAM VISITOR CENTRE.	1	96.30	
EFT26135	21/04/2017	AVON WASTE	DOMESTIC & COMMERCIAL RUBBISH COLLECTION IN THE SHIRE OF NORTHAM FOR THE FORTNIGHT ENDING 31/03/2017.	1		82,794.09
INV 24117	31/03/2017	AVON WASTE	DOMESTIC & COMMERCIAL RUBBISH COLLECTION IN THE SHIRE OF NORTHAM FOR THE FORTNIGHT ENDING 31/03/2017.	1	82,394.09	
INV 0002410631/03/2017		AVON WASTE	40 X EVENT BINS DELIVERED 31/03/2017 AND REMOVED 03/04/2017 FOR THE FLYING 50 EVENT.	1	400.00	
EFT26136	21/04/2017	BEAUREPAIRES	FIT 4 NEW TYRES TO PN1515	1		5,697.83
INV U524345221/03/2017		BEAUREPAIRES	REPAIR PUNCTURE ON PN0908 BACKHOE TYRE	1	79.79	
INV U524345220/03/2017		BEAUREPAIRES	NEW TYRE FOR PN1314.	1	746.27	
INV U524345113/03/2017		BEAUREPAIRES	FIT 4 NEW TYRES TO PN1515	1	1,719.58	
INV U524345215/03/2017		BEAUREPAIRES	PUNCTURE REPAIR OF PN1307	1	30.00	
INV U524345224/03/2017		BEAUREPAIRES	REPLACEMENT TYRE FOR PN0913.	1	361.73	



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INV U524345224/03/2017		BEAUREPAIRES	REPLACE TYRE ON FOOTPATH SWEEPER PN1007	1	557.88	
INV U524345227/03/2017		BEAUREPAIRES	REPLACEMENT FRONT TYRES FOR PN1221 - 9.5R 17.5 (MAXXIS)	1	783.46	
INV U524345220/03/2017		BEAUREPAIRES	REPLACE ALL 4 TYRE ON MITSUBISHI CHALLENGER PN1505 - N11129 AS PER QUOTE U524105015	1	1,419.12	
EFT26137	21/04/2017	BOC LIMITED	MEDICAL OXYGEN FOR REC CENTRE & NORTHAM POOL.	1		38.22
INV 4014923518/01/2017		BOC LIMITED	MEDICAL OXYGEN FOR REC CENTRE & NORTHAM POOL.	1	38.22	
EFT26138	21/04/2017	BRITEL ENTERPRISES PTY LTD	ONE ADVERTISEMENT TO APPEAR IN SES DIARY PLANNER 2017/2018.	1		295.00
INV 17298	06/04/2017	BRITEL ENTERPRISES PTY LTD	ONE ADVERTISEMENT TO APPEAR IN SES DIARY PLANNER 2017/2018.	1	295.00	
EFT26139	21/04/2017	CADD'S FASHIONS	POLO SHIRTS FOR CORPORATE SERVICES.	1		660.00
INV 17-00001813/03/2017		CADD'S FASHIONS	POLO SHIRTS FOR CORPORATE SERVICES.	1	264.00	
INV 17-00001813/03/2017		CADD'S FASHIONS	POLO SHIRTS FOR ENGINEERING SERVICES.	1	132.00	
INV 17-00001813/03/2017		CADD'S FASHIONS	POLO SHIRTS FOR DEVELOPMENT SERVICES STAFF.	1	264.00	
EFT26140	21/04/2017	CENTRAL REGIONAL TAFE	SPONSORSHIP FOR THE CENTRAL REGIONAL TAFE STUDENT GRADUATION & AWARDS EVENING & ABORIGINAL & TORRES STRAIT ISLANDER STUDENT OF THE YEAR & TRAINEE OF THE YEAR.	1		1,100.00
INV 10001056 31/03/2017		CENTRAL REGIONAL TAFE	SPONSORSHIP FOR THE CENTRAL REGIONAL TAFE STUDENT GRADUATION & AWARDS EVENING & ABORIGINAL & TORRES STRAIT ISLANDER STUDENT OF THE YEAR & TRAINEE OF THE YEAR.	1	1,100.00	
EFT26141	21/04/2017	CHILD SUPPORT AGENCY	Payroll deductions	1		1,110.01
INV DEDUCT18/04/2017		CHILD SUPPORT AGENCY	Payroll deductions		1,110.01	
EFT26142	21/04/2017	CIVIC LEGAL	LEGAL ADVISE REGARDING MATTER# GEJ/150571.	1		15,025.78
INV 502245	31/03/2017	CIVIC LEGAL	LEGAL FEES REGARDING MATTER# GEJ/150580.	1	4,400.00	

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INV 502242	30/03/2017	CIVIC LEGAL	LEGAL ADVISE REGARDING MATTER# GEJ/150571.	1	10,625.78	
EFT26143	21/04/2017	COLIN DUNCAN GRANT	WEEKLY CLEANING AT NORTHAM RSL HALL FOR THE PERIOD 06/03/2017 TO 27/03/2017.	1		756.00
INV P849	17/03/2017	COLIN DUNCAN GRANT	CLEANING MORBY COTTAGE ON 17/03/2017.	1	140.00	
INV P852	01/04/2017	COLIN DUNCAN GRANT	WEEKLY CLEANING AT NORTHAM RSL HALL FOR THE PERIOD 06/03/2017 TO 27/03/2017.	1	616.00	
EFT26144	21/04/2017	COUNTRY COPIERS NORTHAM	PHOTOCOPIER SERVICE/METER READING - ADMIN COPIER IRA-C7055.	1		5,292.17
INV S6115	03/04/2017	COUNTRY COPIERS NORTHAM	COLOUR COPIER SERVICE/METER READING AT NORTHAM REC CENTRE MODEL# IRA-C2230.	1	741.27	
INV S6114	03/04/2017	COUNTRY COPIERS NORTHAM	COLOUR COPIER SERVICE/METER READING ON MODEL# IRA-C2230 AT KILLARA.	1	643.12	
INV S6112	03/04/2017	COUNTRY COPIERS NORTHAM	PHOTOCOPIER SERVICE/METER READING - ADMIN COPIER IRA-C7055.	1	3,436.85	
INV S6113	03/04/2017	COUNTRY COPIERS NORTHAM	SERVICE TO IR-2525 REGULATORY SERVICES PHOTO COPIER.	1	470.93	
EFT26145	21/04/2017	COUNTRYWIDE POOLS	SERVICE HUSQVARNA 36 CHAINSAW FOR SES.	1		162.56
INV 23133	12/04/2017	COUNTRYWIDE POOLS	SERVICE HUSQVARNA 36 CHAINSAW FOR SES.	1	162.56	
EFT26146	21/04/2017	COURIER AUSTRALIA	DELIVERY CHARGES FOR COMMUNITY SERVICES & DEVELOPMENT SERVICES FOR THE PERIOD 24/03/2017 TO 29/03/2017.	1		98.10
INV 0297	31/03/2017	COURIER AUSTRALIA	DELIVERY CHARGES FOR COMMUNITY SERVICES & DEVELOPMENT SERVICES FOR THE PERIOD 24/03/2017 TO 29/03/2017.	1	98.10	
EFT26147	21/04/2017	DAIMLER TRUCKS PERTH	BOOSTER ASSY CLUTCH FOR MITSUBISHI 2 WAY TIPPER N11187.	1		893.70
INV 6111465E11/04/2017		DAIMLER TRUCKS PERTH	BOOSTER ASSY CLUTCH FOR MITSUBISHI 2 WAY TIPPER N11187.	1	893.70	
EFT26148	21/04/2017	DEPARTMENT OF ENVIRONMENT REGULATION	QUARTERLY LEVY RETURN FOR OLD QUARRY ROAD & INKPEN ROAD LANDFILL SITES JAN-MAR 2017.	1		6,066.48
INV CH12/04/12/04/2017		DEPARTMENT OF ENVIRONMENT REGULATION	QUARTERLY LEVY RETURN FOR OLD QUARRY ROAD & INKPEN ROAD LANDFILL SITES JAN-MAR 2017.	1	6,066.48	

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EFT26149	21/04/2017	DIANE RICKARD	REIMBURSEMENT FOR REMOVAL & RELOCATION OF HOUSE HOLD GOODS & ANY OUTSIDE FURNITURE ON 19/11/2016 FROM DOMAIN CIRCLE SUCCESS TO CHARLES STREET NORTHAM.	1		900.00
INV 10007	12/04/2017	DIANE RICKARD	REIMBURSEMENT FOR REMOVAL & RELOCATION OF HOUSE HOLD GOODS & ANY OUTSIDE FURNITURE ON 19/11/2016 FROM DOMAIN CIRCLE SUCCESS TO CHARLES STREET NORTHAM.	1	900.00	
EFT26150	21/04/2017	DUKES INN	CATERING FOR THE 2016 SHIRE CHRISTMAS FUNCTION.	1		850.00
INV CAT016	20/12/2016	DUKES INN	CATERING FOR THE 2016 SHIRE CHRISTMAS FUNCTION.	1	850.00	
EFT26151	21/04/2017	E FIRE & SAFETY	ROUTINE MAINTENANCE CHARGES AT NORTHAM REC CENTRE FOR MARCH 2017 & NEW INTERCOM SYSTEM FOR EMERGENCY BOOK ISSUED.	1		672.65
INV 0018620524/03/2017		E FIRE & SAFETY	ROUTINE MAINTENANCE CHARGES AT NORTHAM TOWN HALL FOR MARCH 2017.	1	161.15	
INV 0018627224/03/2017		E FIRE & SAFETY	ROUTINE MAINTENANCE CHARGES AT KILLAR FOR MARCH 2017.	1	218.90	
INV 0018627524/03/2017		E FIRE & SAFETY	ROUTINE MAINTENANCE CHARGES AT NORTHAM REC CENTRE FOR MARCH 2017 & NEW INTERCOM SYSTEM FOR EMERGENCY BOOK ISSUED.	1	292.60	
EFT26152	21/04/2017	FE TECHNOLOGIES PTY LTD	ANNUAL MAINTENANCE LOAN STATION MAR 2017 - FEB 2018.	1		550.00
INV SVIP015902/02/2017		FE TECHNOLOGIES PTY LTD	ANNUAL MAINTENANCE LOAN STATION MAR 2017 - FEB 2018.	1	550.00	
EFT26153	21/04/2017	GGJ CONSULTANTS	RENEWAL OF SUPPORT SUBSCRIPTION FOR THE GGJ POLICIES & PROCEDURES MANUAL UNTIL 28/04/2018.	1		425.00
INV INV-071804/04/2017		GGJ CONSULTANTS	RENEWAL OF SUPPORT SUBSCRIPTION FOR THE GGJ POLICIES & PROCEDURES MANUAL UNTIL 28/04/2018.	1	425.00	
EFT26154	21/04/2017	GLENN STUART BEVERIDGE	REPAIR EVES AT JUBILEE PAVILLION, REPLACE NON SLIP TAPE ON STEPS & REPAIR & PAINT FRONT DAMAGED WINDOWS AT NORTHAM TOWN HALL & STRIP & PAINT FRONT WALL AT NORTHAM GIRL GUIDES HALL.	1		5,877.00

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INV 56	03/04/2017	GLENN STUART BEVERIDGE	SEAL BOX GUTTER, INSTALL MAN HOLE & REPAIR DUCT CEILING AT NORTHAM TOWN HALL.	1	550.00	
INV 59	03/04/2017	GLENN STUART BEVERIDGE	REPAIR GROUND WATER DAMAGE TO SIDES OF PONDS TO MAKE WATER FLOW AWAY FROM PONDS AT NORTHAM SEWAGE POND.	1	880.00	
INV 53	03/04/2017	GLENN STUART BEVERIDGE	REPAIR TIMBER PICKET FENCE AT MORBY COTTAGE ON 13/03/2017.	1	99.00	
INV 51	27/03/2017	GLENN STUART BEVERIDGE	SUPPLY & INSTALL STEEL BATTERN TO RECYCLING SHED AT INKPEN TIP ON 25/03/2017.	1	627.00	
INV 52	03/04/2017	GLENN STUART BEVERIDGE	REPAIR EVES AT JUBILEE PAVILION, REPLACE NON SLIP TAPE ON STEPS & REPAIR & PAINT FRONT DAMAGED WINDOWS AT NORTHAM TOWN HALL & STRIP & PAINT FRONT WALL AT NORTHAM GIRL GUIDES HALL.	1	2,442.00	
INV 54	03/04/2017	GLENN STUART BEVERIDGE	PAINT EXTERIOR POSTS AT BERT HAWKE PAVILION ON 03/04/2017.	1	869.00	
INV 50	27/03/2017	GLENN STUART BEVERIDGE	SUPPLY & INSTALL WHIRLY BIRD TO ROOF AT WUNDOWIE WATER TREATMENT SHED.	1	300.00	
INV 49	27/03/2017	GLENN STUART BEVERIDGE	REPAIR DAMAGED SWINGS AT RUSHTON PARK ON 22/03/2017.	1	110.00	
EFT26155	21/04/2017	GRAFTON ELECTRICS	REPAIR PUMP AT WUNDOWIE OVAL.	1		5,218.90
INV 1031	27/02/2017	GRAFTON ELECTRICS	REPLACE LIGHT SWITCHES AT LIBRARY.	1	427.02	
INV 1030	24/02/2017	GRAFTON ELECTRICS	CHECK LIGHTS AT BAKERS HILL TENNIS CLUB.	1	376.20	
INV 1028	20/02/2017	GRAFTON ELECTRICS	CHECK LIGHTS AT BERNARD PARK TOILETS.	1	77.00	
INV 1029	23/02/2017	GRAFTON ELECTRICS	CONNECT & DISCONNECT GEN SETS AT REC CENTRE & KILLARA.	1	1,104.51	
INV 1019	09/02/2017	GRAFTON ELECTRICS	REPLACE RCD TO LIGHT TOWER.	1	220.00	
INV 1020	11/02/2017	GRAFTON ELECTRICS	REPAIR FAULT IN PEEL TCE STORM WATER PUMP.	1	264.00	
INV 1014	01/02/2017	GRAFTON ELECTRICS	REPAIR PUMP AT WUNDOWIE OVAL.	1	2,750.17	
EFT26156	21/04/2017	HILLS DISTRICT CALISTHENICS CLUB	KIDSPORT FUNDING	1		200.00
INV KS00719-10/03/2017		HILLS DISTRICT CALISTHENICS CLUB	KIDSPORT FUNDING	1	200.00	

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EFT26157	21/04/2017	HOST AUTO REPAIRS	DOOR RUBBERS FOR INKPEN 1.4 & CLACKLINE 1.4.	1		27.75
INV 60085	31/03/2017	HOST AUTO REPAIRS	DOOR RUBBERS FOR INKPEN 1.4 & CLACKLINE 1.4.	1	27.75	
EFT26158	21/04/2017	IMMACU SWEEP	SWEEPING OF THE TOWN CENTRE FOOTPATHS & GULLY EDUCATION FOR THE PERIOD 06/03/2017 TO 11/03/2017.	1		8,058.60
INV 4041	01/04/2017	IMMACU SWEEP	SWEEPING OF THE TOWN CENTRE FOOTPATHS & GULLY EDUCATION FOR THE PERIOD 06/03/2017 TO 11/03/2017.	1	4,029.30	
INV 4042	01/04/2017	IMMACU SWEEP	SWEEPING OF THE TOWN CENTRE FOOTPATHS & GULLY EDUCATION SERVICES FOR THE PERIOD 13/03/2017 TO 18/03/2017.	1	4,029.30	
EFT26159	21/04/2017	IN PHASE TEST & TAG	TEST & TAG WUNDOWIE MENS SHED ON 22/02/2017.	1		897.00
INV 0000269727/02/2017		IN PHASE TEST & TAG	TEST & TAG WUNDOWIE MENS SHED ON 22/02/2017.	1	897.00	
EFT26160	21/04/2017	INGRID PRETORIUS	REIMBURSEMENT FOR PARKING ON 05/04/2017 FOR STATE LIBRARY VISIT.	1		14.54
INV A01239	05/04/2017	INGRID PRETORIUS	REIMBURSEMENT FOR PARKING ON 05/04/2017 FOR STATE LIBRARY VISIT.	1	14.54	
EFT26161	21/04/2017	INTERFIRE AGENCIES PTY LTD T/A LOVETT FAMILY TRUST	HAZARD LED GRILL FASH CONVERT 12VDC AMB/AMB -	1		504.13
INV INV-005015/03/2017		INTERFIRE AGENCIES PTY LTD T/A LOVETT FAMILY TRUST	HAZARD LED GRILL FASH CONVERT 12VDC AMB/AMB -	1	504.13	
EFT26162	21/04/2017	ISOBEL ROBERTS	ASSORTED STOCK PURCHASES FOR NORTHAM VISITOR CENTRE.	1		372.60
INV 98	08/04/2017	ISOBEL ROBERTS	ASSORTED STOCK PURCHASES FOR NORTHAM VISITOR CENTRE.	1	372.60	
EFT26163	21/04/2017	JOANNA KAY LARDNER	TRAVEL SPPORT FOR YOUNG SPORTING ACHIEVERS - KIMBERLY LARDNER \$150.00 & CASSANDRA LARDNER \$150.00.	1		300.00
INV 8.2.8.4/O-12/04/2017		JOANNA KAY LARDNER	TRAVEL SPPORT FOR YOUNG SPORTING ACHIEVERS - KIMBERLY LARDNER \$150.00 & CASSANDRA LARDNER \$150.00.	1	300.00	
EFT26164	21/04/2017	KLEENHEAT GAS	YEARLY FACILITY FEES FOR 4.30KL BULK TANK AT 2 BURGUYNE STREET NORTHAM.	1		1,115.54

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INV 4043179	01/03/2017	KLEENHEAT GAS	YEARLY FACILITY FEES FOR 4.30KL BULK TANK AT 2 BURGOYNE STREET NORTHAM.	1	1,115.54	
EFT26165	21/04/2017	KLEENWEST DISTRIBUTORS	TOILET ROLLS & ASSORTED CLEANING PRODUCTS FOR NORTHAM REC CENTRE.	1		477.62
INV 0002408728	03/2017	KLEENWEST DISTRIBUTORS	TOILET ROLLS & ASSORTED CLEANING PRODUCTS FOR NORTHAM REC CENTRE.	1	477.62	
EFT26166	21/04/2017	LANDGATE	GROSS RENTAL VALUATIONS CHARGEABLE SCHEDULE NO: G 2017/3 DATED 11/02/2017 TO 10/03/2017.	1		1,214.80
INV 329021-1	027/03/2017	LANDGATE	GROSS RENTAL VALUATIONS CHARGEABLE SCHEDULE NO: G 2017/3 DATED 11/02/2017 TO 10/03/2017.	1	1,015.05	
INV 329051-1	027/03/2017	LANDGATE	RURAL UV'S CHARGEABLE SCHEDULE: R2017/3 DATED 04/02/2017 TO 17/02/2017.	1	199.75	
EFT26167	21/04/2017	LLOYDS EARTHMOVING	ASSORTED TREES.	1		6,985.63
INV 8476	17/03/2017	LLOYDS EARTHMOVING	ASSORTED TREES.	1	6,985.63	
EFT26168	21/04/2017	LOCAL GOVERNMENT AND RACECOURSE EMPLOYEES UNION	Payroll deductions	1		20.50
INV DEDUCT18	04/2017	LOCAL GOVERNMENT AND RACECOURSE EMPLOYEES UNION	Payroll deductions		20.50	
EFT26169	21/04/2017	MATHEW MACQUEEN	TAMPER PROOF TEKS FITTED TO SHED AT INKPEN BFB.	1		370.00
INV 610A	15/03/2017	MATHEW MACQUEEN	TAMPER PROOF TEKS FITTED TO SHED AT INKPEN BFB.	1	370.00	
EFT26170	21/04/2017	MAYBERRY HAMMOND & CO	LEGAL FEES FOR OLD FITZGERALD HOTEL SITE.	1		237.27
INV 40452	31/03/2017	MAYBERRY HAMMOND & CO	LEGAL FEES FOR OLD FITZGERALD HOTEL SITE.	1	237.27	
EFT26171	21/04/2017	MR NATURALLY CLEAN	SECURITY CALL OUT ON 18/03/2017 AT MORBY COTTAGE & WUNDOWIE LIBRARY ON 23/03/2017.	1		444.51
INV INV-018122	03/2017	MR NATURALLY CLEAN	SECURITY CALL OUT ON 18/03/2017 AT MORBY COTTAGE & WUNDOWIE LIBRARY ON 23/03/2017.	1	444.51	
EFT26172	21/04/2017	NAVMAN WIRELESS PTY LTD	MONTHLY SATELLITE SERVICE FEE 15/03/2017 TO 14/04/2017.	1		1,066.40
INV 9089951005	03/2017	NAVMAN WIRELESS PTY LTD	MONTHLY SATELLITE SERVICE & SUBSCRIPTION FEE FOR THE PERIOD 05/03/2017 TO 04/04/2017.	1	417.67	

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INV 9090484315/03/2017		NAVMAN WIRELESS PTY LTD	MONTHLY SATELLITE SERVICE FEE 15/03/2017 TO 14/04/2017.	1	648.73	
EFT26173	21/04/2017	NORTHAM & DISTRICTS GLASS SERVICE	FIT SUPPLIED GLASS TO BOBCAT N.006 DOOR.	1		132.00
INV 0000883130/03/2017		NORTHAM & DISTRICTS GLASS SERVICE	FIT SUPPLIED GLASS TO BOBCAT N.006 DOOR.	1	132.00	
EFT26174	21/04/2017	NORTHAM AERO CLUB	ANNUAL MANAGEMENT COSTS OF AIRFIELD 31/03/2016 TO 30/09/2016.	1		3,000.00
INV 3434	21/03/2017	NORTHAM AERO CLUB	ANNUAL MANAGEMENT COSTS OF AIRFIELD 31/03/2016 TO 30/09/2016.	1	3,000.00	
EFT26175	21/04/2017	NORTHAM BETTA HOME LIVING	VACCUUM BAG FOR NORTHAM REC CENTRE.	1		24.95
INV 16429	06/04/2017	NORTHAM BETTA HOME LIVING	VACCUUM BAG FOR NORTHAM REC CENTRE.	1	24.95	
EFT26176	21/04/2017	NORTHAM GARDENING SERVICE	SLASHING AT 20 HAMPTON STREET NORTHAM.	1		517.00
INV INV-001910/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 20 HAMPTON STREET NORTHAM.	1	220.00	
INV INV-001810/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 10 THOMPSON STREET NORTHAM.	1	165.00	
INV INV-001910/03/2017		NORTHAM GARDENING SERVICE	SLASHING AT 27 CROKE AVE NORTHAM.	1	132.00	
EFT26177	21/04/2017	NORTHAM HARDWARE	X35 RECTANGULAR BLOW MOULD TABLES FOR NORTHAM REC CENTRE.	1		1,943.05
INV 341936	20/03/2017	NORTHAM HARDWARE	VOUCHER FOR EMPLOYEE OF THE QUARTER - RAY ADAMS	1	100.00	
INV 341664	15/03/2017	NORTHAM HARDWARE	RETICULATION PARTS FOR RETIC IN FITZGERALD STREET	1	31.05	
INV 342528	29/03/2017	NORTHAM HARDWARE	X35 RECTANGULAR BLOW MOULD TABLES FOR NORTHAM REC CENTRE.	1	1,750.00	
INV 340488	20/02/2017	NORTHAM HARDWARE	RETICULATION PARTS FOR THE VISITOR CENTRE GARDENS	1	62.00	
EFT26178	21/04/2017	NORTHAM TOY LIBRARY	COMMUNITY GRANT APPLICATION 2016 FOR NEW MUMS PROGRAM.	1		4,855.95
INV 2016GRA14/02/2017		NORTHAM TOY LIBRARY	COMMUNITY GRANT APPLICATION 2016 FOR NEW MUMS PROGRAM.	1	4,855.95	
EFT26179	21/04/2017	OCTAGON-BKG LIFTS	CARRY OUT ROUTINE MAINTENANCE TO CIBESLIFT A5000 PLATFORM AT NORTHAM LIBRARY ON 29/03/2017.	1		502.95

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INV 0001401303/04/2017		OCTAGON-BKG LIFTS	CARRY OUT ROUTINE MAINTENANCE TO CIBESLIFT A5000 PLATFORM AT NORTHAM LIBRARY ON 29/03/2017.	1	502.95	
EFT26180	21/04/2017	OXTER SERVICES	X2 1.2L SOAP DISPENSERS FOR NORTHAM REC CENTRE.	1		278.72
INV 17848	04/04/2017	OXTER SERVICES	X2 1.2L SOAP DISPENSERS FOR NORTHAM REC CENTRE.	1	278.72	
EFT26181	21/04/2017	PASSIVE LIGHTING	X4 150W FLOOD LIGHTS & X2 200W FLOOD LIGHTS FOR THE SUSPENSION BRIDGE.	1		2,871.00
INV 0000121705/04/2017		PASSIVE LIGHTING	X4 150W FLOOD LIGHTS & X2 200W FLOOD LIGHTS FOR THE SUSPENSION BRIDGE.	1	2,871.00	
EFT26182	21/04/2017	PATERSON GROUP ARCHITECTS	DEVELOP A MASTERPLAN SKETCH OF JUBILEE SPORTING PRECINCT.	1		1,760.00
INV 15869	09/12/2016	PATERSON GROUP ARCHITECTS	DEVELOP A MASTERPLAN SKETCH OF JUBILEE SPORTING PRECINCT.	1	1,760.00	
EFT26183	21/04/2017	PATRICK GEORGE BEKKERS	FOUR YEARS OF LEASE FEE FOR THE CLACKLINE FIRE SHED AS PER LEASE AGREEMENT - LAND 199 GOOCH RD MOKINE LOT 750 (199) ON DIAGRAM 91069 CERT VOLUME 2078 FOLIO 760.	1		1,818.00
INV 93	30/03/2017	PATRICK GEORGE BEKKERS	FOUR YEARS OF LEASE FEE FOR THE CLACKLINE FIRE SHED AS PER LEASE AGREEMENT - LAND 199 GOOCH RD MOKINE LOT 750 (199) ON DIAGRAM 91069 CERT VOLUME 2078 FOLIO 760.	1	1,818.00	
EFT26185	21/04/2017	PERTH ENERGY PTY LTD	ELECTRICITY CHARGES FOR 182 FITZGERALD STREET NORTHAM STATEMENT # 2121062 & ACCOUNT# 601148 FOR THE PERIOD 15/03/2017 TO 14/04/2017.	1		352.22
INV 1100427117/04/2017		PERTH ENERGY PTY LTD	ELECTRICITY CHARGES FOR 182 FITZGERALD STREET NORTHAM STATEMENT # 2121062 & ACCOUNT# 601148 FOR THE PERIOD 15/03/2017 TO 14/04/2017.	1	352.22	
EFT26186	21/04/2017	PERTH SAFETY PRODUCTS PTY LTD	ASSORTED STREET SIGNS.	1		1,620.85
INV 0000708722/02/2017		PERTH SAFETY PRODUCTS PTY LTD	ASSORTED STREET SIGNS.	1	1,620.85	



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EFT26187	21/04/2017	R MUNNS ENGINEERING CONSULTING SERVICES	FLOOD DAMAGE ASSESSMENT ON 23 SHIRE ROADS & PROVIDE PHOTOS FOR EVIDENCE & COMPLETE COST ESTIMATES ON FLOOD DAMAGE CLAIM SUMMARY SHEET & SUBMIT TO MRWA ON BEHALF OF THE SHIRE OF NORTHAM FOR WANDRRA EVENT# AGRN 743 FROM 22/02/2017 TO 23/03/2017.	1		6,117.27
INV 016	16/04/2017	R MUNNS ENGINEERING CONSULTING SERVICES	FLOOD DAMAGE ASSESSMENT ON 23 SHIRE ROADS & PROVIDE PHOTOS FOR EVIDENCE & COMPLETE COST ESTIMATES ON FLOOD DAMAGE CLAIM SUMMARY SHEET & SUBMIT TO MRWA ON BEHALF OF THE SHIRE OF NORTHAM FOR WANDRRA EVENT# AGRN 743 FROM 22/02/2017 TO 23/03/2017.	1	6,117.27	
EFT26188	21/04/2017	RENEE D'HERVILLE	REIMBURSEMENT FOR PRE-EMPLOYMENT POLICE CLEARANCE.	1		52.60
INV 2196765	21/03/2017	RENEE D'HERVILLE	REIMBURSEMENT FOR PRE-EMPLOYMENT POLICE CLEARANCE.	1	52.60	
EFT26189	21/04/2017	ROAD SIGNS AUSTRALIA	VARIOUS ROAD SIGNS	1		653.40
INV 0003559015/03/2017		ROAD SIGNS AUSTRALIA	VARIOUS ROAD SIGNS	1	653.40	
EFT26190	21/04/2017	SOURCE MY PARTS PTY LTD	GRADER BLADES, PLOW BOLTS & PLOW NUTS FOR VOLVO GRADERS N.001 & N.002.	1		1,287.66
INV 402177	05/04/2017	SOURCE MY PARTS PTY LTD	GRADER BLADES, PLOW BOLTS & PLOW NUTS FOR VOLVO GRADERS N.001 & N.002.	1	1,287.66	
EFT26191	21/04/2017	SOUTHERN CROSS AUSTEREO PTY LTD	ROADWORKS RADIO ADS MARCH - MAY 2017	1		1,424.28
INV 7042157431/03/2017		SOUTHERN CROSS AUSTEREO PTY LTD	RADIO ADS FOR THE 2017 EASTER CAMPAIGN	1	250.58	
INV 7042100531/03/2017		SOUTHERN CROSS AUSTEREO PTY LTD	ROADWORKS RADIO ADS MARCH - MAY 2017	1	1,095.60	
INV 7042100631/03/2017		SOUTHERN CROSS AUSTEREO PTY LTD	RASIO ADVERTISING FOR AROUND THE TOWNS FOR MARCH 2017.	1	78.10	
EFT26192	21/04/2017	SPECIALISED TREE SERVICE	PRUNING OF 36 TREES WEST SIDE & 32 TREES EAST SIDE ON GORDON STREET NORTHAM.	1		6,770.00
INV 2479	12/04/2017	SPECIALISED TREE SERVICE	PRUNING OF 36 TREES WEST SIDE & 32 TREES EAST SIDE ON GORDON STREET NORTHAM.	1	5,850.00	

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INV 2476	06/04/2017	SPECIALISED TREE SERVICE	ARBORICULTURAL WORK AT NORTHAM SWIMMING POOL.	1	800.00	
INV 2475	06/04/2017	SPECIALISED TREE SERVICE	PUT UP ANZAC DAY BANNERS.	1	120.00	
EFT26193	21/04/2017	STEWART & HEATON CLOTHING CO.PTY LTD	BUSH FIRE PPE AS PER SHEET 161202	1		85.05
INV SIN-271715/03/2017		STEWART & HEATON CLOTHING CO.PTY LTD	BUSH FIRE PPE AS PER SHEET 161202	1	85.05	
EFT26194	21/04/2017	SUPERCIVIL	REMOVE KERBING & 2 CROSSOVERS & SUPPLY & LAY NEW KERBING ON QUEENS STREET NORTHAM.	1		93,942.20
INV 0000657203/04/2017		SUPERCIVIL	TOWN HALL CAR PARK DUKE STREET NORTHAM, SUPPLY & LAY EXISTING KERBING.	1	18,551.50	
INV 0000656903/04/2017		SUPERCIVIL	MUDALLA AVE NORTHAM - SUPPLY AND LAY KERBING.	1	16,347.10	
INV 0000655903/04/2017		SUPERCIVIL	KURINGAL ROAD WUNDOWIE - SUPPLY AND LAY KERBING.	1	11,045.65	
INV 0000656217/03/2017		SUPERCIVIL	49 HOVEA STREET - SUPPLY & LAY KERBING	1	1,790.25	
INV 0000657003/04/2017		SUPERCIVIL	YILBAROO ROAD - SUPPLY & LAY KERBING.	1	12,963.50	
INV 0000599321/12/2016		SUPERCIVIL	REMOVE KERBING & 2 CROSSOVERS & SUPPLY & LAY NEW KERBING ON QUEENS STREET NORTHAM.	1	33,244.20	
EFT26195	21/04/2017	TECHNOLOGY ONE LIMITED	SET-UP DATA UPDATES FROM LANDGATE SLIP ON 27/02/2017, 13/03/2017, 14/03/2017 & 20/03/2017.	1		2,706.00
INV 154779	31/03/2017	TECHNOLOGY ONE LIMITED	SET-UP DATA UPDATES FROM LANDGATE SLIP ON 27/02/2017, 13/03/2017, 14/03/2017 & 20/03/2017.	1	2,706.00	
EFT26196	21/04/2017	THE RIVERSIDE HOTEL	CATERING FOR ORDINARY COUNCIL MEETING HELD ON 19 APRIL 2017.	1		432.00
INV 1067	19/04/2017	THE RIVERSIDE HOTEL	CATERING FOR ORDINARY COUNCIL MEETING HELD ON 19 APRIL 2017.	1	432.00	
EFT26197	21/04/2017	THE WORKWEAR GROUP	UNIFORM FOR LEASA OSBORNE.	1		2,310.65
INV 0138926003/04/2017		THE WORKWEAR GROUP	UNIFORM FOR CHERI JOY AT KILLARA.	1	237.50	
INV 0138542831/03/2017		THE WORKWEAR GROUP	UNIFORM FOR ROSS RAYSON.	1	304.30	
INV 0138928503/04/2017		THE WORKWEAR GROUP	UNIFORM FOR MICHELLE BLACKHURST.	1	232.05	

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INV 0138928903/04/2017		THE WORKWEAR GROUP	UNIFORM FOR ALYSHA MAXWELL.	1	243.95	
INV 0138927403/04/2017		THE WORKWEAR GROUP	UNIFORM FOR CARMEN SADLEIR	1	314.50	
INV 0138181930/03/2017		THE WORKWEAR GROUP	UNIFORM FOR KRISTY ROBINSON.	1	307.70	
INV 0138543231/03/2017		THE WORKWEAR GROUP	UNIFORM FOR LEASA OSBORNE.	1	370.60	
INV 0138185730/03/2017		THE WORKWEAR GROUP	UNIFORM FOR ZOE MACDONALD.	1	300.05	
EFT26198	21/04/2017	TUTT BRYANT EQUIPMENT PTY LTD	FILLER CAP AND GAUZE STRAINER FOR PN1502	1		113.62
INV 0084396623/03/2017		TUTT BRYANT EQUIPMENT PTY LTD	FILLER CAP AND GAUZE STRAINER FOR PN1502	1	113.62	
EFT26199	21/04/2017	VERLINDENS ELECTRICAL SERVICE (WA)	ATTEND TO FAULTY POWER SERVICE TO KITCHEN AT WUNDOWIE HALL ON 28/03/2017.	1		157.30
INV 84901	31/03/2017	VERLINDENS ELECTRICAL SERVICE (WA)	ATTEND TO FAULTY POWER SERVICE TO KITCHEN AT WUNDOWIE HALL ON 28/03/2017.	1	157.30	
EFT26200	21/04/2017	VODAFONE	MESSAGE ALERTS FOR HARVEST BANS FOR THE PERIOD 01/04/2017 TO 30/04/2017.	1		481.43
INV 1115943806/04/2017		VODAFONE	MESSAGE ALERTS FOR HARVEST BANS FOR THE PERIOD 01/04/2017 TO 30/04/2017.	1	481.43	
EFT26201	21/04/2017	WA BUILDING CODES CONSULTANCY	ASSESSMENT & PROVISION OF WRITTEN ADVICE REGARDING INTERPRETATION OF BCA FIRE SAFETY PROVISIONS.	1		187.50
INV 289-17	23/03/2017	WA BUILDING CODES CONSULTANCY	ASSESSMENT & PROVISION OF WRITTEN ADVICE REGARDING INTERPRETATION OF BCA FIRE SAFETY PROVISIONS.	1	187.50	
EFT26202	21/04/2017	WARRICKS NEWSAGENCY	ASSORTED STATIONARY ITEMS.	1		456.68
INV 45140	16/03/2017	WARRICKS NEWSAGENCY	STATIONERY FOR LIBRARY & VISITORS CENTRE.	1	156.63	
INV 45185	22/03/2017	WARRICKS NEWSAGENCY	STATIONERY FOR SHIRE ADMIN.	1	104.68	
INV 45399	31/03/2017	WARRICKS NEWSAGENCY	ASSORTED STATIONARY ITEMS.	1	195.37	
EFT26203	21/04/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	INSTALL SECURITY CAMERAS AT WUNDOWIE DEPOT.	1		4,493.00
INV 6630	20/02/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	INSTALL SECURITY CAMERAS AT WUNDOWIE DEPOT.	1	1,862.00	

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INV 6786	23/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	INSTALL BEACON LIGHTS IN FORD RANGER UTE N11120.	1	295.00	
INV 6787	23/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	INSTALL BEACON LIGHTS IN OUTLANDER ASSET MANAGER VEHICLE N11069.	1	295.00	
INV 6785	23/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	INSTALL BEACON LIGHTS IN NEW TRAILBLAZER EMES VEHICLE - N10721.	1	500.00	
INV 6792	31/03/2017	WESTWIDE AUTO ELECTRICS AND AIR CONDITIONING	SUPPLY AND INSTALLATION OF TWO WAY RADIO IN NEW WORKS SUPERVISOR UTE.	1	1,541.00	
EFT26204	21/04/2017	WHEATBELT SAFETYWEAR	X1 ROLL SILVER REFLECTIVE TAPE.	1		350.00
INV 7365	29/03/2017	WHEATBELT SAFETYWEAR	X1 ROLL SILVER REFLECTIVE TAPE.	1	200.00	
INV 7371	30/03/2017	WHEATBELT SAFETYWEAR	SAFETY BOOTS FOR JASON OSBORNE	1	150.00	
EFT26205	21/04/2017	WRITINGWA INC	ANNUAL MEMBERSHIP RENEWAL FOR THE CALENDAR YEAR 2017.	1		135.00
INV 824	15/03/2017	WRITINGWA INC	ANNUAL MEMBERSHIP RENEWAL FOR THE CALENDAR YEAR 2017.	1	135.00	
EFT26206	21/04/2017	ZENIEN	SUPPLY & INSTALL CCTV SYSTEM WITH WIRELESS CAPABILITY COMPATIBLE TO THE TOWN SYSTEM - RECORDING ABILITY & 3 CAMERAS EXPANDABLE TO 16 CAMERAS AT NORTHAM VISITOR CENTRE.	1		5,520.63
INV 14143	13/04/2017	ZENIEN	SUPPLY & INSTALL CCTV SYSTEM WITH WIRELESS CAPABILITY COMPATIBLE TO THE TOWN SYSTEM - RECORDING ABILITY & 3 CAMERAS EXPANDABLE TO 16 CAMERAS AT NORTHAM VISITOR CENTRE.	1	4,983.00	
INV 14077	21/03/2017	ZENIEN	REPAIRS TO BERNARD PARK CCTV CAMERA & CCTV CAMERA CNR FITZGERALD ST & ENSIGN DALE PLACE (RED ROOSTER) NORTHAM.	1	537.63	
EFT26207	21/04/2017	REBECCA NICOLE JONES	REIMBURSEMENT FOR POLICE CLEARANCE, MEALS & TAXI EXPENSES WHILE ON LICENSING TRAINING COURSE 12/03/2017 TO 17/03/2017.	1		237.30
INV CY2104201/04/2017		REBECCA NICOLE JONES	REIMBURSEMENT FOR POLICE CLEARANCE, MEALS & TAXI EXPENSES WHILE ON LICENSING TRAINING COURSE 12/03/2017 TO 17/03/2017.	1	237.30	

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EFT26208	26/04/2017	FIRM CONSTRUCTION PTY LTD	CONSTRUCTION OF THE ABORIGINAL AND ENVIRONMENTAL INTERPRETIVE CENTRE - CONTRACT NO: 5-2016 - PROGRESS CLAIM 1 - WORKS COMPLETED AS AT 31/03/2017.	1		53,055.45
INV 0000116531/03/2017		FIRM CONSTRUCTION PTY LTD	CONSTRUCTION OF THE ABORIGINAL AND ENVIRONMENTAL INTERPRETIVE CENTRE - CONTRACT NO: 5-2016 - PROGRESS CLAIM 1 - WORKS COMPLETED AS AT 31/03/2017.	1	53,055.45	
EFT26209	28/04/2017	AUSTRALIS ASSET ADVISORY GROUP	VALUATIONS OF LAND & BUILDINGS PROJECT: INITIATION OF PROJECT 20%.	1		2,926.00
INV INV-019903/04/2017		AUSTRALIS ASSET ADVISORY GROUP	VALUATIONS OF LAND & BUILDINGS PROJECT: INITIATION OF PROJECT 20%.	1	2,926.00	
EFT26210	28/04/2017	WESTERN AUSTRALIAN TREASURY CORPORATION	Loan No. 224 Fixed Component - NEW RECREATION CENTRE	1		89,928.83
INV 224	10/04/2017	WESTERN AUSTRALIAN TREASURY CORPORATION	Loan No. 224 Fixed Component - NEW RECREATION CENTRE		49,460.86	
INV 225	10/04/2017	WESTERN AUSTRALIAN TREASURY CORPORATION	Loan No. 225 Fixed Component - PURCHASE VICTORIA OVAL		40,467.97	
EFT26211	28/04/2017	ANTHONY MARK MAYOR	RETURN OF LANDSCAPING BOND FOR RELOCATED DWELLING BOND.	2		1,000.00
INV T1365	28/04/2017	ANTHONY MARK MAYOR	RETURN OF LANDSCAPING BOND FOR RELOCATED DWELLING BOND.	2	1,000.00	
EFT26212	28/04/2017	CHERIE DORIS TREWHELLA	RETURN OF LANDSCAPING & RELOCATED DWELLING BOND.	2		2,000.00
INV T7	28/04/2017	CHERIE DORIS TREWHELLA	RETURN OF LANDSCAPING & RELOCATED DWELLING BOND.	2	2,000.00	
EFT26213	28/04/2017	PERDAMAN ADVANCED ENERGY	KERB BOND REFUND - T939 #16238 - 171 FITZGERALD STREET NORTHAM.	2		1,500.00
INV T939	28/04/2017	PERDAMAN ADVANCED ENERGY	KERB BOND REFUND - T939 #16238 - 171 FITZGERALD STREET NORTHAM.	2	1,500.00	
EFT26214	28/04/2017	PETER IAN BALFOUR STEWART	REFUND KERB BOND - 17079 - 120 WOODLEY FARM DRIVE.	2		1,000.00
INV T971	28/04/2017	PETER IAN BALFOUR STEWART	REFUND KERB BOND - 17079 - 120 WOODLEY FARM DRIVE.	2	1,000.00	

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EFT26215	28/04/2017	RURAL BUILDING COMPANY PTY LTD	KERB BOND REFUND - T896 #16088 - 17 GOLF CRS NORTHAM	2		1,000.00
INV T896	28/04/2017	RURAL BUILDING COMPANY PTY LTD	KERB BOND REFUND - T896 #16088 - 17 GOLF CRS NORTHAM	2	1,000.00	
EFT26216	28/04/2017	WILLWARD PARK NO 1 PTY LTD & REHARD NO	RELEASE OF DEFECTS LIABILITY BOND WAPC145191 LOT 24 WERRIBEE RD WUNDOWIE.	2		8,477.00
INV T877	15/03/2017	WILLWARD PARK NO 1 PTY LTD & REHARD NO	RELEASE OF DEFECTS LIABILITY BOND WAPC145191 LOT 24 WERRIBEE RD WUNDOWIE.	2	8,477.00	
EFT26217	28/04/2017	AG IMPLEMENTS NORTHAM PTY LTD	SERVICE 450HR ON 27 MARCH 2017, INCLUDING NEW SIDE SHOOT ON CUTTING DECK, AND ANTI SCALP ROLLERS WORN OUT	1		2,075.02
INV 291666	30/03/2017	AG IMPLEMENTS NORTHAM PTY LTD	SERVICE 450HR ON 27 MARCH 2017, INCLUDING NEW SIDE SHOOT ON CUTTING DECK, AND ANTI SCALP ROLLERS WORN OUT	1	2,075.02	
EFT26218	28/04/2017	AUS RECORD	F2DEX 2D EXTRA FILES & TUBE CLIP SETS FOR RECORDS.	1		269.50
INV 0008530306/04/2017		AUS RECORD	F2DEX 2D EXTRA FILES & TUBE CLIP SETS FOR RECORDS.	1	269.50	
EFT26219	28/04/2017	AUSTRALIAN INSTITUTE OF BUILDING SURVEYORS	TIE DOWN TRAINING COURSE FOR SONNY RUTHERFORD.	1		680.00
INV 4470	01/03/2017	AUSTRALIAN INSTITUTE OF BUILDING SURVEYORS	TIE DOWN TRAINING COURSE FOR SONNY RUTHERFORD.	1	340.00	
INV 4474	01/03/2017	AUSTRALIAN INSTITUTE OF BUILDING SURVEYORS	TIE DOWN TRAINING COURSE FOR NATHAN GOUGH.	1	340.00	
EFT26220	28/04/2017	AXIS ENGINEERS	MAY STREET PRE PRIMARY. STRUCTURAL ASSESSMENT OF BUILDING.	1		972.00
INV 42	28/03/2017	AXIS ENGINEERS	MAY STREET PRE PRIMARY. STRUCTURAL ASSESSMENT OF BUILDING.	1	972.00	
EFT26221	28/04/2017	BEAUREPAIRES	TYRES FOR PN1503 - 255/70R16 D697 BRIDGESTONE	1		1,571.12
INV U52434524/03/2017		BEAUREPAIRES	TYRES FOR PN1503 - 255/70R16 D697 BRIDGESTONE	1	1,571.12	
EFT26222	28/04/2017	COUNTRY COPIERS NORTHAM	CANON MF729CX MULTIFUNCTION LASER PRINTER FOR HUMAN RESOURCES COORDINATOR	1		2,804.10

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INV 40363	31/03/2017	COUNTRY COPIERS NORTHAM	STATIONERY FOR DEPOT	1	90.55	
INV 40363	31/03/2017	COUNTRY COPIERS NORTHAM	80MM THERMAL ROLLS	1	227.70	
INV 40202	25/01/2017	COUNTRY COPIERS NORTHAM	STATIONERY FOR VISITORS CENTRE.	1	5.40	
INV 40202	15/02/2017	COUNTRY COPIERS NORTHAM	RICOH TONER FOR WUNDOWIE LIBRARY X4 COLOURS	1	1,105.35	
INV 40202	15/02/2017	COUNTRY COPIERS NORTHAM	BROTHER TZ 131 TAPE - BLACK ON CLEAR 12MM	1	25.85	
INV 40202	15/02/2017	COUNTRY COPIERS NORTHAM	CANON MF729CX MULTIFUNCTION LASER PRINTER FOR HUMAN RESOURCES COORDINATOR	1	1,199.00	
INV 40202	15/02/2017	COUNTRY COPIERS NORTHAM	Brother HL-L23400W printer cartridge	1	150.25	
EFT26223	28/04/2017	DANIELS HEALTH SERVICES PTY LTD	SERVICE WALL SAFES & REPAIR ONE UNIT AT BAKERS HILL TOILETS DURING MARCH 2017.	1		659.77
INV 1551015	31/03/2017	DANIELS HEALTH SERVICES PTY LTD	SERVICE WALL SAFES & REPAIR ONE UNIT AT BAKERS HILL TOILETS DURING MARCH 2017.	1	248.15	
INV 1551016	31/03/2017	DANIELS HEALTH SERVICES PTY LTD	SERVICE WALL SAFE AT BERNARD PARK ON 24/03/2017.	1	164.65	
INV 1551017	31/03/2017	DANIELS HEALTH SERVICES PTY LTD	SERVICE STEEL WALL SAFES AT APEX PARK TOILETS IN MARCH 2017.	1	164.65	
INV 1551018	31/03/2017	DANIELS HEALTH SERVICES PTY LTD	SERVICE STEEL WALL SAFE AT WUNDOWIE PUBLIC TOILET ON 24/03/2017.	1	82.32	
EFT26224	28/04/2017	ELDERS LIMITED	X5 20L DRUMS OF KELPIE RICO GLYPHOSATE FOR PARKS & GARDENS.	1		495.00
INV AX 4829127/03/2017		ELDERS LIMITED	X5 20L DRUMS OF KELPIE RICO GLYPHOSATE FOR PARKS & GARDENS.	1	495.00	
EFT26225	28/04/2017	GRAFTON ELECTRICS	NORTHAM BERNARD PARK SOUND SHELL CCTV UHF LINK. RESTORE POWER TO LINK.	1		2,357.30
INV 1016	02/02/2017	GRAFTON ELECTRICS	NORTHAM BERNARD PARK SOUND SHELL CCTV UHF LINK. RESTORE POWER TO LINK.	1	2,182.80	
INV 1026	16/02/2017	GRAFTON ELECTRICS	REPAIR LIGHTS AT OLD ADMIN.	1	174.50	
EFT26226	28/04/2017	IT VISION	SYNERGYSOFT DATA FOR INSTALLATION OF INTRAMAPS.	1		2,902.35
INV 27755	31/03/2017	IT VISION	SYNERGYSOFT DATA FOR INSTALLATION OF INTRAMAPS.	1	2,902.35	

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EFT26227	28/04/2017	IW PROJECTS	WASTE MANAGEMENT CONSULTING SERVICES FOR INKPEN ROAD & OLD QUARRY ROAD LANDFILL MANAGEMENT PLANS.	1		29,579.00
INV 870	31/03/2017	IW PROJECTS	WASTE MANAGEMENT CONSULTING SERVICES FOR INKPEN ROAD & OLD QUARRY ROAD LANDFILL MANAGEMENT PLANS.	1	29,579.00	
EFT26228	28/04/2017	JR & A HERSEY PTY LTD	TOOLS & PROTECTIVE CLOTHING FOR DEPOT.	1		1,379.57
INV 0003969114/02/2017	28/04/2017	JR & A HERSEY PTY LTD	PROTECTIVE CLOTHING FOR THE DEPOT.	1	254.10	
INV 0003969014/02/2017	28/04/2017	JR & A HERSEY PTY LTD	TOOLS & PROTECTIVE CLOTHING FOR DEPOT.	1	1,125.47	
EFT26229	28/04/2017	LANDMARK	20L - BAYC BASTA SL200 AGNCY	1		668.34
INV 9909352215/03/2017	28/04/2017	LANDMARK	20L - BAYC BASTA SL200 AGNCY	1	617.76	
INV 9907461709/03/2017	28/04/2017	LANDMARK	15KG BOTTLE OF GAS FOR FORKLIFT	1	50.58	
EFT26230	28/04/2017	MARKETFORCE	MONTHLY COST COUNCIL NEWSLETTER FOR HILS GAZETTE	1		5,449.86
INV 13262	31/03/2017	MARKETFORCE	MONTHLY COST COUNCIL NEWSLETTER FOR HILS GAZETTE	1	1,526.00	
INV 13263	31/03/2017	MARKETFORCE	ADVERTISING FOR ENVIRONMENTAL SUSTAINABILITY OFFICER	1	1,135.98	
INV 13266	31/03/2017	MARKETFORCE	PUBLIC NOTICE IN THE WEST AUSTRALIAN ON 01/03/2017 - TENDER 2 OF 2017 KING CREEK DRAIN STAGE 3 CONSTRUCTION	1	574.35	
INV 13268	31/03/2017	MARKETFORCE	ADVERTISING IN WEST AUSTRALIAN - PROPOSAL TO DISPOSE OF PROPERTY BY LEASE.	1	717.06	
INV 13265	31/03/2017	MARKETFORCE	ADVERTISING FOR PLANT OPERATOR/GENERAL HAND	1	790.93	
INV 13264	31/03/2017	MARKETFORCE	ADVERTISING FOR GARDENER/GENERAL HAND.	1	167.54	
INV 13267	31/03/2017	MARKETFORCE	ADVERTISING IN THE WEST AUSTRALIAN ON 8 MARCH 2017 FOR TENDER 2 OF 2017 - KING CREEK DRAIN STAGE 3 CONSTRUCTION.	1	538.00	
EFT26231	28/04/2017	MATHEW MACQUEEN	BUSHFIRE SEASONAL DEBRIEF 2016/2017 CLACKLINE FIRE SHED	1		156.00



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INV 614	12/04/2017	MATHEW MACQUEEN	BUSHFIRE SEASONAL DEBRIEF 2016/2017 CLACKLINE FIRE SHED	1	156.00	
EFT26232	28/04/2017	NORTHAM HIAB HIRE	KILLARA AGED CENTRE. CARTAGE OF EMERGENCY GENERATOR.	1		198.00
INV 637	23/02/2017	NORTHAM HIAB HIRE	KILLARA AGED CENTRE. CARTAGE OF EMERGENCY GENERATOR.	1	198.00	
EFT26233	28/04/2017	NORTHAM MITRE 10 SOLUTIONS	PALLETS OF RAPID SET CEMENT & GENERAL PURPOSE CEMENT.	1		3,615.51
INV 1016259501/03/2017		NORTHAM MITRE 10 SOLUTIONS	DYNABOLTS FOR SEAT IN LIBRARY CARPARK.	1	14.96	
INV 1016793920/03/2017		NORTHAM MITRE 10 SOLUTIONS	VOUCHER FOR EMPLOYEE OF THE QUARTER - RAY ADAMS	1	100.00	
INV 1016423507/03/2017		NORTHAM MITRE 10 SOLUTIONS	ASSORTED ITEMS FOR KILLARA SHED INV# 10164235	1	151.96	
INV 1016262301/03/2017		NORTHAM MITRE 10 SOLUTIONS	RETICULATION PARTS FOR LIBRARY GARDENS	1	117.31	
INV 1016270601/03/2017		NORTHAM MITRE 10 SOLUTIONS	BRASS FITTINGS FOR GATOR	1	24.93	
INV 1016512310/03/2017		NORTHAM MITRE 10 SOLUTIONS	ROPE FOR TIPPER TRUCK PN1515 - N11187	1	16.87	
INV 1016442108/03/2017		NORTHAM MITRE 10 SOLUTIONS	PARTS FOR THE PUMPS AT THE TREATED WASTE WATER	1	50.75	
INV 1016446308/03/2017		NORTHAM MITRE 10 SOLUTIONS	BRACKETS FOR SHED	1	14.66	
INV 1016462009/03/2017		NORTHAM MITRE 10 SOLUTIONS	PACKETS OF ZIP TIES VARIOUS SIZES	1	79.32	
INV 1016695217/03/2017		NORTHAM MITRE 10 SOLUTIONS	DRILL BITS	1	24.65	
INV 1016833222/03/2017		NORTHAM MITRE 10 SOLUTIONS	PALLETS OF RAPID SET CEMENT & GENERAL PURPOSE CEMENT.	1	923.00	
INV 1016807821/03/2017		NORTHAM MITRE 10 SOLUTIONS	6 X PADLOCKS	1	93.99	
INV 1016608014/03/2017		NORTHAM MITRE 10 SOLUTIONS	RETICULATION FITTINGS FOR BERT HAWKE OVAL	1	84.08	
INV 1017082630/03/2017		NORTHAM MITRE 10 SOLUTIONS	ASSORTED ITEMS TO REPAIR OUTSIDE COURTS DUE TO GRAFITTI.	1	280.98	
INV 1016846022/03/2017		NORTHAM MITRE 10 SOLUTIONS	ASSORTED BATTERIES & TOOL BOX FOR SES.	1	858.93	
INV 1016827821/03/2017		NORTHAM MITRE 10 SOLUTIONS	X20 STAR PICKETS FOR RURAL NUMBERING.	1	195.70	
INV 1016292202/03/2017		NORTHAM MITRE 10 SOLUTIONS	AUXILLARY PRIVACY SET DIABLE ACCESS COMPLIANT FOR BERNARD PARK PLAYGROUP.	1	110.20	

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INV 1017124031/03/2017		NORTHAM MITRE 10 SOLUTIONS	ASSORTED ITEMS FOR KILLARA ADULT DAY CARE CENTRE.	1	157.02	
INV 1017127631/03/2017		NORTHAM MITRE 10 SOLUTIONS	BLINDS & HACKSAW FOR KILLARA ADULT DAY CARE CENTRE.	1	20.87	
INV 1016583913/03/2017		NORTHAM MITRE 10 SOLUTIONS	CAUTION TAPE FOR DEPOT.	1	46.11	
INV 1016683516/03/2017		NORTHAM MITRE 10 SOLUTIONS	BOLTS FOR CONCRETE SEAT AT LIBRARY	1	36.40	
INV 1016268601/03/2017		NORTHAM MITRE 10 SOLUTIONS	RETURN OF DYNABOLTS.	1	-5.76	
INV 1017125331/03/2017		NORTHAM MITRE 10 SOLUTIONS	PURPLE PAINT FOR WASTE WATER TREATMENT PLANT	1	75.09	
INV 1017103931/03/2017		NORTHAM MITRE 10 SOLUTIONS	BOLTS FOR WATER TANK INSTALLATION	1	19.82	
INV 1017045429/03/2017		NORTHAM MITRE 10 SOLUTIONS	RETICULATION PARTS FOR ADMIN GARDENS	1	46.39	
INV 1015676708/02/2017		NORTHAM MITRE 10 SOLUTIONS	GRINDING DISKS, CLAMPS, TECH BIT	1	4.51	
INV 1017094230/03/2017		NORTHAM MITRE 10 SOLUTIONS	X2 75L GARBAGE BINS FOR RANGER SERVICES TO STORE DOG BISCUITS IN.	1	51.47	
INV 1016873823/03/2017		NORTHAM MITRE 10 SOLUTIONS	ASSORTED RETICULATION PARTS FOR ADMIN GARDENS.	1	21.30	
EFT26234	28/04/2017	NORTHAM SPRINGFIELD FOOTBALL CLUB	BEING FOR THE PURCHASE OF SOCCER EQUIPMENT AS PER APPLICATION REFERENCE NUMBER 8.2.5.26/O39673.	1		2,658.00
INV 101	10/04/2017	NORTHAM SPRINGFIELD FOOTBALL CLUB	BEING FOR THE PURCHASE OF SOCCER EQUIPMENT AS PER APPLICATION REFERENCE NUMBER 8.2.5.26/O39673.	1	2,658.00	
EFT26235	28/04/2017	PERFECT COMPUTER SOLUTIONS PTY LTD	COMPUTER CONSULTANCY SERVICES FOR THE PERIOD 14/03/2017 TO 21/03/2017.	1		680.00
INV 22266	04/04/2017	PERFECT COMPUTER SOLUTIONS PTY LTD	MONTHLY FEE FOR DAILY MONITORING, MANAGEMENT & RESOLUTION OF DISASTER RECOVERY OPTIONS AT SITE (MARCH).	1	85.00	
INV 22226	30/03/2017	PERFECT COMPUTER SOLUTIONS PTY LTD	COMPUTER CONSULTANCY SERVICES FOR THE PERIOD 14/03/2017 TO 21/03/2017.	1	595.00	
EFT26236	28/04/2017	PLAN 9 DESIGN & DRAFTING	WUNDOWIE FLUFFY DUCKS DAY CARE BUILDING. FINAL SITE PLANS, ELEVATIONS AND DETAILS FOR TENDER DOCUMENTS.	1		2,012.50
INV 1616	02/03/2017	PLAN 9 DESIGN & DRAFTING	WUNDOWIE FLUFFY DUCKS DAY CARE BUILDING. FINAL SITE PLANS, ELEVATIONS AND DETAILS FOR TENDER DOCUMENTS.	1	1,522.50	

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INV 1611	15/11/2016	PLAN 9 DESIGN & DRAFTING	NORTHAM PLAY GROUP. DRAFTING OF PLANS FOR BATHROOM MODIFICATIONS.	1	490.00	
EFT26237	28/04/2017	RETAIL DECISIONS (COLES)	COLES PURCHASES FOR MARCH 2017 - FOR CARDHOLDERS - MILTON BROOKS, SUSAN BURLEY, BEV BULL, ALISON ROWLAND, CHRISTINE WATERS, VICTORIA JONES, KRISTY ROBINSON, ALYSHA MAXWELL.	1		2,804.19
INV MARCH 31/03/2017		RETAIL DECISIONS (COLES)	COLES PURCHASES FOR MARCH 2017 - FOR CARDHOLDERS - MILTON BROOKS, SUSAN BURLEY, BEV BULL, ALISON ROWLAND, CHRISTINE WATERS, VICTORIA JONES, KRISTY ROBINSON, ALYSHA MAXWELL.	1	2,804.19	
EFT26238	28/04/2017	SPECIALISED TREE SERVICE	REMOVAL OF TREES BRANCHES ON WELLINGTON ST.	1		1,130.00
INV 2493	20/04/2017	SPECIALISED TREE SERVICE	ARBORICULTURAL WORK AT JUBILEE OVAL.	1	330.00	
INV 2492	20/04/2017	SPECIALISED TREE SERVICE	REMOVAL OF TREES BRANCHES ON WELLINGTON ST.	1	800.00	
EFT26239	28/04/2017	SUPERCIVIL	REMOVE 317M OF KERBING, SUPPLY & LAY 317M OF KERBING & BACKFILL OF KERBING AT LANCE STREET AS PER QUOTE# 00005991.	1		21,619.40
INV 0000599102/02/2017		SUPERCIVIL	REMOVE 317M OF KERBING, SUPPLY & LAY 317M OF KERBING & BACKFILL OF KERBING AT LANCE STREET AS PER QUOTE# 00005991.	1	21,619.40	
EFT26240	28/04/2017	THE GIRLS BRIGADE 3RD GREENWOOD	KIDSPORT FUNDING.	1		220.00
INV KS00580-21/02/2017		THE GIRLS BRIGADE 3RD GREENWOOD	KIDSPORT FUNDING.	1	220.00	
EFT26241	28/04/2017	THE WORKWEAR GROUP	UNIFORM FOR TRACEY PEARCE.	1		384.21
INV 0138926403/04/2017		THE WORKWEAR GROUP	UNIFORM FOR TRACEY PEARCE.	1	384.21	
EFT26242	28/04/2017	TOWN PLANNING URBAN DESIGN AND HERITAGE	NORTHAM CBD DEVELOPMENT & CONNECTIVITY STRATEGY - ADDITIONAL TRAVEL TIME FOR STEERING GROUP (PHASE 2)	1		7,997.00
INV 43290	31/03/2017	TOWN PLANNING URBAN DESIGN AND HERITAGE	NORTHAM CBD DEVELOPMENT & CONNECTIVITY STRATEGY - ADDITIONAL TRAVEL TIME FOR STEERING GROUP (PHASE 2)	1	7,997.00	

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EFT26243	28/04/2017	WALKABOUT FASHION ACCESSORIES	STOCK PURCHASES FOR VISITORS CENTRE.	1		165.20
INV 4502	19/04/2017	WALKABOUT FASHION ACCESSORIES	STOCK PURCHASES FOR VISITORS CENTRE.	1	165.20	
EFT26244	28/04/2017	WREN OIL	ADMIN & COMPLIANCE FEES	1		33.00
INV 34015	31/03/2017	WREN OIL	ADMIN & COMPLIANCE FEES	1	16.50	
INV 34014	31/03/2017	WREN OIL	ADMIN & COMPLIANCE FEES	1	16.50	
EFT26245	28/04/2017	WUNDOWIE SPRINGS PTY LTD WUNDOWIE ONE STOP	FOOD FOR WUNDOWIE COMMUNITY MEETING - 1/3/17	1		186.63
INV 0000021901/03/2017	28/04/2017	WUNDOWIE SPRINGS PTY LTD WUNDOWIE ONE STOP	FOOD FOR WUNDOWIE COMMUNITY MEETING - 1/3/17	1	186.63	
34715	11/04/2017	DEPARTMENT OF MINES AND PETROLEUM	DANGEROUS GOODS SITE LICENCE FOR THE PERIOD 30/04/2017 TO 29/04/2018.	1		199.00
INV DGS012614/03/2017	11/04/2017	DEPARTMENT OF MINES AND PETROLEUM	DANGEROUS GOODS SITE LICENCE FOR THE PERIOD 30/04/2017 TO 29/04/2018.	1	199.00	
34716	11/04/2017	PETTY CASH	PETTY CASH REIMBURSEMENT FOR THE PERIOD 09/01/2017 TO 30/03/2017.	1		555.80
INV ADMIN J31/03/2017	11/04/2017	PETTY CASH	PETTY CASH REIMBURSEMENT FOR THE PERIOD 09/01/2017 TO 30/03/2017.	1	278.20	
INV P/C LIBR24/03/2017	11/04/2017	PETTY CASH	PETTY CASH REIMBURSEMENT FOR LIBRARY.	1	277.60	
34717	11/04/2017	SYNERGY	VISITORS CENTRE 24/01/2017 TO 27/03/2017.	1		2,326.30
INV 1539025124/03/2017	11/04/2017	SYNERGY	OLD SHIRE DEPOT 21/01/2017 TO 23/03/2017.		28.60	
INV 9356001427/03/2017	11/04/2017	SYNERGY	VISITORS CENTRE CONFERENCE ROOM 24/01/2017 TO 27/03/2017.		486.45	
INV 4581071527/03/2017	11/04/2017	SYNERGY	VISITORS CENTRE LIGHTS/TOILETS 24/01/2017 TO 27/03/2017.		27.70	
INV 3355969227/03/2017	11/04/2017	SYNERGY	VISITORS CENTRE 24/01/2017 TO 27/03/2017.		1,723.15	
INV 1578225631/03/2017	11/04/2017	SYNERGY	IRISHTOWN FIRE BRIGADE 31/01/2017 TO 31/03/2017.		60.40	
34718	11/04/2017	TELSTRA CORPORATION	VARIOUS MOBILE ACCOUNTS 28/02/2017 to 27/03/2017.	1		3,053.18
INV 1342948225/03/2017	11/04/2017	TELSTRA CORPORATION	VARIOUS MOBILE ACCOUNT MARCH/APRIL 2017.		1,140.44	

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INV 6305302927/03/2017		TELSTRA CORPORATION	BAKERS HILL BFB TO 22/03/2017.	1	25.71	
INV 2726008928/03/2017		TELSTRA CORPORATION	VARIOUS MOBILE ACCOUNTS 28/02/2017 to 27/03/2017.		1,887.03	
34719	11/04/2017	WATER CORPORATION	WATER LEAKING ON COMMONAGE LOT 495 RES 420 - LEASED TO FEDERALS FOOTBALL CLUB.	1		8,573.73
INV 9011154727/01/2017		WATER CORPORATION	WATER LEAKING ON COMMONAGE LOT 495 RES 420 - LEASED TO FEDERALS FOOTBALL CLUB.	1	2,028.49	
INV 9019179330/03/2017		WATER CORPORATION	CHITTY RD AVON HILLS 01/02/2017 TO 29/03/2017.		39.48	
INV 9007938927/03/2017		WATER CORPORATION	STANDPIPE BODEGUERO WAY 24/01/2017 TO 24/03/2017.		43.80	
INV 9007938730/03/2017		WATER CORPORATION	STANDPIPE AT LOCKYER RD 31/01/2017 TO 29/03/2017.		1,265.61	
INV 9007927521/03/2017		WATER CORPORATION	RUBBISH DEPOT AT OLD QUARRY RD 24/01/2017 TO 20/03/2017.		133.10	
INV 9007926021/03/2017		WATER CORPORATION	SPORTS GROUND AT SUBURBAN RD 24/01/2017 TO 20/03/2017.		286.51	
INV 9007925921/03/2017		WATER CORPORATION	ANIMAL POUND AT OLD QUARRY 24/01/2017 to 20/03/2017.		15.79	
INV 9007925920/03/2017		WATER CORPORATION	LOT 28472 RES NEWCASTLE RD 20/01/2017 TO 16/03/2017.		582.88	
INV 9007923521/03/2017		WATER CORPORATION	MEDIAN STRIP ON NEWCASTLE RD 21/01/2017 TO 17/03/2017.		182.70	
INV 9007918420/03/2017		WATER CORPORATION	PLAYGROUND AT PERINA WAY 20/01/2017 TO 16/03/2017.		403.26	
INV 9007917221/03/2017		WATER CORPORATION	BERT HAWKE OVAL 19/01/2017 TO 16/03/2017.		584.30	
INV 9010596322/03/2017		WATER CORPORATION	GEORGE NUICH PARK 25/01/2017 TO 21/03/2017.		658.79	
INV 9007891831/03/2017		WATER CORPORATION	STANDPIPE AT KEANE ST B/HILL 02/02/2017 to 30/03/2017.		512.96	
INV 9022053217/03/2017		WATER CORPORATION	STANDPIPE AT CLARKE STREET 19/01/2017 TO 16/03/2017	1	1,836.06	
34720	21/04/2017	NORTHAM FEED & HIRE	DOG & CAT FOOD FOR APRIL 2017.	1		189.20
INV 0000047005/04/2017		NORTHAM FEED & HIRE	DOG & CAT FOOD FOR APRIL 2017.	1	118.60	
INV 0000037610/02/2017		NORTHAM FEED & HIRE	DOG & CAT FOOD FOR APRIL 2017.	1	70.60	
34721	21/04/2017	PETTY CASH	PETTY CASH RECOUP FOR MARCH/APRIL 2017.	1		255.55
INV KILLAR413/04/2017		PETTY CASH	PETTY CASH RECOUP FOR MARCH/APRIL 2017.	1	255.55	

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34722	21/04/2017	SYNERGY	GROUPED ELECTRICITY ACCOUNT FOR ASSORTED SHIRE BUILDINGS FOR THE PERIOD 03/03/2017 TO 05/04/2017.	1		46,936.41
INV 2361098029/03/2017		SYNERGY	ELECTRICITY CHARGES FOR LOC 37518 WELLINGTON ST NORTHAM (RAP PARK AVON YOUTH) FOR THE PERIOD 26/01/2017 TO 27/03/2017.	1	28.15	
INV 1648520327/03/2017		SYNERGY	ELECTRICITY CHARGES FOR WELLINGTON ST NORTHAM (OLD GIRLS SCHOOL) FOR THE PERIOD 24/01/2017 TO 24/03/2017.	1	142.65	
INV 1127695028/03/2017		SYNERGY	ELECTRICITY CHARGES FOR 87 DUKE ST NORTHAM (OLD FIRE STATION) FOR THE PERIOD 25/01/2017 TO 27/03/2017.	1	203.10	
INV 9152416403/04/2017		SYNERGY	AUXILIARY LIGHTING CHARGES FOR THE PERIOD 28/02/2017 TO 27/03/2017.	1	109.35	
INV 1686149903/04/2017		SYNERGY	STREET LIGHTING CHARGES FOR THE PERIOD 25/02/2017 TO 24/03/2017.	1	20,437.00	
INV 7921766205/04/2017		SYNERGY	GROUPED ELECTRICITY ACCOUNT FOR ASSORTED SHIRE BUILDINGS FOR THE PERIOD 03/03/2017 TO 05/04/2017.	1	26,016.16	
34723	21/04/2017	WATER CORPORATION	WATER USE & SERVICE CHARGES FOR LA STANDPIPE AT 116 PEEL TCE NORTHAM LOT 255 FOR THE PERIOD 13/01/2017 TO 10/03/2017.	1		2,474.68
INV 9007892531/03/2017		WATER CORPORATION	WATER USE & SERVICE CHARGES FOR CENTRE AT ST GEORGE ST BAKERS HILL LOT 300 RES 4200 FOR THE PERIOD 02/02/2017 TO 30/03/2017.	1	443.30	
INV 9007840305/04/2017		WATER CORPORATION	WATER USE & SERVICE CHARGES FOR SHED AT 6103L KEANE ST GRASS VALLEY LOT 6103 (GRASS VALLEY BFB SHED) FOR THE PERIOD 08/02/2017 TO 04/04/2017.	1	4.52	
INV 9007913513/03/2017		WATER CORPORATION	WATER USE & SERVICE CHARGES FOR LA STANDPIPE AT 116 PEEL TCE NORTHAM LOT 255 FOR THE PERIOD 13/01/2017 TO 10/03/2017.	1	1,857.54	
INV 9007840205/04/2017		WATER CORPORATION	WATER USE & SERVICE CHARGE FOR STANDPIPE AT 3L KEANE ST GRASS VALLEY FOR THE PERIOD 08/02/2017 TO 04/04/2017.	1	164.81	
INV 9007891731/03/2017		WATER CORPORATION	WATER USE & SERVICE CHARGES FOR PLAYGROUND AT UNIT C / 4166L GREAT EASTERN HWY BAKERS HILL LOT 4166 RES FOR THE PERIOD 02/02/2017 TO 30/03/2017.	1	4.51	

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34724	28/04/2017	PETTY CASH	PETTY CASH RECOUP FOR THE REC CENTRE - 07/02/2017 TO 07/04/2017.	1		149.27
INV P/C REC	07/04/2017	PETTY CASH	PETTY CASH RECOUP FOR THE REC CENTRE - 07/02/2017 TO 07/04/2017.	1	149.27	
DD11062.1	04/04/2017	BANKWEST	CHADD HUNT MASTERCARD 21/2/17 TO 23/3/17	1		4,976.75
INV D HENDI	04/04/2017	BANKWEST	D HENDRIKSEN MASTERCARD 21/2/17 TO 23/3/17	1	476.64	
INV C KLEYN	04/04/2017	BANKWEST	CLINTON KLEYNHANS MASTERCARD 21/2/17 TO 23/3/17	1	1,125.37	
INV C YOUNG	04/04/2017	BANKWEST	C YOUNG MASTERCARD 21/2/17 TO 23/3/17	1	2,088.40	
INV R RAYSON	04/04/2017	BANKWEST	ROSS RAYSON MASTERCARD 21/2/17 TO 23/3/17	1	685.16	
INV J WHITE	04/04/2017	BANKWEST	JASON WHITEAKER MASTERCARD 21/2/17 TO 23/3/17	1	331.18	
INV C HUNT	04/04/2017	BANKWEST	CHADD HUNT MASTERCARD 21/2/17 TO 23/3/17	1	270.00	
DD11072.1	04/04/2017	WA SUPER	Payroll deductions	1		24,624.09
INV SUPER	04/04/2017	WA SUPER	Superannuation contributions	1	21,342.13	
INV DEDUCT	04/04/2017	WA SUPER	Payroll deductions	1	2,490.82	
INV DEDUCT	04/04/2017	WA SUPER	Payroll deductions	1	136.43	
INV DEDUCT	04/04/2017	WA SUPER	Payroll deductions	1	35.02	
INV DEDUCT	04/04/2017	WA SUPER	Payroll deductions	1	25.00	
INV DEDUCT	04/04/2017	WA SUPER	Payroll deductions	1	420.31	
INV DEDUCT	04/04/2017	WA SUPER	Payroll deductions	1	43.53	
INV DEDUCT	04/04/2017	WA SUPER	Payroll deductions	1	30.85	
INV DEDUCT	04/04/2017	WA SUPER	Payroll deductions	1	100.00	
DD11072.2	04/04/2017	SUNSUPER	Superannuation contributions	1		402.94
INV SUPER	04/04/2017	SUNSUPER	Superannuation contributions	1	402.94	
DD11072.3	04/04/2017	AMG UNIVERSAL SUPER	Superannuation contributions	1		171.36
INV SUPER	04/04/2017	AMG UNIVERSAL SUPER	Superannuation contributions	1	171.36	

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DD11072.4	04/04/2017	QSUPER	Superannuation contributions	1		187.57
INV SUPER	04/04/2017	QSUPER	Superannuation contributions	1	187.57	
DD11072.5	04/04/2017	BENDIGO SMART START SUPER	Superannuation contributions	1		185.25
INV SUPER	04/04/2017	BENDIGO SMART START SUPER	Superannuation contributions	1	185.25	
DD11072.6	04/04/2017	VISION SUPER	Superannuation contributions	1		179.19
INV SUPER	04/04/2017	VISION SUPER	Superannuation contributions	1	179.19	
DD11072.7	04/04/2017	HOSTPLUS SUPER	Superannuation contributions	1		693.77
INV SUPER	04/04/2017	HOSTPLUS SUPER	Superannuation contributions	1	693.77	
DD11072.8	04/04/2017	HESTA SUPER FUND	Superannuation contributions	1		131.81
INV SUPER	04/04/2017	HESTA SUPER FUND	Superannuation contributions	1	131.81	
DD11072.9	04/04/2017	RECRUITMENT SUPER	Superannuation contributions	1		196.99
INV SUPER	04/04/2017	RECRUITMENT SUPER	Superannuation contributions	1	196.99	
DD11120.1	18/04/2017	WA SUPER	Payroll deductions	1		24,536.15
INV SUPER	18/04/2017	WA SUPER	Superannuation contributions	1	21,211.75	
INV DEDUCT18/04/2017	18/04/2017	WA SUPER	Payroll deductions	1	2,520.19	
INV DEDUCT18/04/2017	18/04/2017	WA SUPER	Payroll deductions	1	148.49	
INV DEDUCT18/04/2017	18/04/2017	WA SUPER	Payroll deductions	1	43.50	
INV DEDUCT18/04/2017	18/04/2017	WA SUPER	Payroll deductions	1	25.00	
INV DEDUCT18/04/2017	18/04/2017	WA SUPER	Payroll deductions	1	412.84	
INV DEDUCT18/04/2017	18/04/2017	WA SUPER	Payroll deductions	1	43.53	
INV DEDUCT18/04/2017	18/04/2017	WA SUPER	Payroll deductions	1	30.85	
INV DEDUCT18/04/2017	18/04/2017	WA SUPER	Payroll deductions	1	100.00	



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DD11120.2	18/04/2017	EWRAP SUPER	Superannuation contributions	1		151.18
INV SUPER	18/04/2017	EWRAP SUPER	Superannuation contributions	1	151.18	
DD11120.3	18/04/2017	SUNSUPER	Superannuation contributions	1		401.78
INV SUPER	18/04/2017	SUNSUPER	Superannuation contributions	1	401.78	
DD11120.4	18/04/2017	AMG UNIVERSAL SUPER	Superannuation contributions	1		170.50
INV SUPER	18/04/2017	AMG UNIVERSAL SUPER	Superannuation contributions	1	170.50	
DD11120.5	18/04/2017	QSUPER	Superannuation contributions	1		186.41
INV SUPER	18/04/2017	QSUPER	Superannuation contributions	1	186.41	
DD11120.6	18/04/2017	BENDIGO SMART START SUPER	Superannuation contributions	1		183.30
INV SUPER	18/04/2017	BENDIGO SMART START SUPER	Superannuation contributions	1	183.30	
DD11120.7	18/04/2017	VISION SUPER	Superannuation contributions	1		179.19
INV SUPER	18/04/2017	VISION SUPER	Superannuation contributions	1	179.19	
DD11120.8	18/04/2017	HOSTPLUS SUPER	Superannuation contributions	1		706.02
INV SUPER	18/04/2017	HOSTPLUS SUPER	Superannuation contributions	1	706.02	
DD11120.9	18/04/2017	RECRUITMENT SUPER	Superannuation contributions	1		196.99
INV SUPER	18/04/2017	RECRUITMENT SUPER	Superannuation contributions	1	196.99	
DD11072.10	04/04/2017	AUSTRALIAN SUPER PTY LTD	Superannuation contributions	1		1,988.99
INV SUPER	04/04/2017	AUSTRALIAN SUPER PTY LTD	Superannuation contributions	1	1,988.99	
DD11072.11	04/04/2017	REST INDUSTRY SUPER	Superannuation contributions	1		562.93
INV SUPER	04/04/2017	REST INDUSTRY SUPER	Superannuation contributions	1	562.93	
DD11072.12	04/04/2017	CONCEPT ONE THE INDUSTRY SUPERANNUATION FUND	Superannuation contributions	1		194.55

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INV SUPER	04/04/2017	CONCEPT ONE THE INDUSTRY SUPERANNUATION FUND	Superannuation contributions	1	194.55	
DD11072.13	04/04/2017	ZURICH AUSTRALIA LIMITED	Superannuation contributions	1		249.31
INV SUPER	04/04/2017	ZURICH AUSTRALIA LIMITED	Superannuation contributions	1	249.31	
DD11072.14	04/04/2017	IOOF PORTFOLIO SERVICE SUPERANNUATION FUND	Superannuation contributions	1		206.54
INV SUPER	04/04/2017	IOOF PORTFOLIO SERVICE SUPERANNUATION FUND	Superannuation contributions	1	206.54	
DD11072.15	04/04/2017	(THE QUEENSLAND LOCAL GOVERNMENT SUPERANNUATION BOARD) LG SUPER	Superannuation contributions	1		281.35
INV SUPER	04/04/2017	(THE QUEENSLAND LOCAL GOVERNMENT SUPERANNUATION BOARD) LG SUPER	Superannuation contributions	1	281.35	
DD11072.16	04/04/2017	AMP LIFE LIMITED	Superannuation contributions	1		498.11
INV SUPER	04/04/2017	AMP LIFE LIMITED	Superannuation contributions	1	498.11	
DD11072.17	04/04/2017	EWRAF SUPER	Superannuation contributions	1		157.95
INV SUPER	04/04/2017	EWRAF SUPER	Superannuation contributions	1	157.95	
DD11120.10	18/04/2017	HESTA SUPER FUND	Superannuation contributions	1		176.64
INV SUPER	18/04/2017	HESTA SUPER FUND	Superannuation contributions	1	176.64	
DD11120.11	18/04/2017	AUSTRALIAN SUPER PTY LTD	Superannuation contributions	1		1,934.81
INV SUPER	18/04/2017	AUSTRALIAN SUPER PTY LTD	Superannuation contributions	1	1,934.81	
DD11120.12	18/04/2017	REST INDUSTRY SUPER	Superannuation contributions	1		485.72
INV SUPER	18/04/2017	REST INDUSTRY SUPER	Superannuation contributions	1	485.72	
DD11120.13	18/04/2017	CONCEPT ONE THE INDUSTRY SUPERANNUATION FUND	Superannuation contributions	1		192.50
INV SUPER	18/04/2017	CONCEPT ONE THE INDUSTRY SUPERANNUATION FUND	Superannuation contributions	1	192.50	

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DD11120.14	18/04/2017	ZURICH AUSTRALIA LIMITED	Superannuation contributions	1		249.31
INV SUPER	18/04/2017	ZURICH AUSTRALIA LIMITED	Superannuation contributions	1	249.31	
DD11120.15	18/04/2017	IOOF PORTFOLIO SERVICE SUPERANNUATION FUND	Superannuation contributions	1		219.72
INV SUPER	18/04/2017	IOOF PORTFOLIO SERVICE SUPERANNUATION FUND	Superannuation contributions	1	219.72	
DD11120.16	18/04/2017	(THE QUEENSLAND LOCAL GOVERNMENT SUPERANNUATION BOARD) LG SUPER	Superannuation contributions	1		281.35
INV SUPER	18/04/2017	(THE QUEENSLAND LOCAL GOVERNMENT SUPERANNUATION BOARD) LG SUPER	Superannuation contributions	1	281.35	
DD11120.17	18/04/2017	AMP LIFE LIMITED	Superannuation contributions	1		498.11
INV SUPER	18/04/2017	AMP LIFE LIMITED	Superannuation contributions	1	498.11	

**REPORT TOTALS**

Bank Code	Bank Name	TOTAL
1	MUNI FUND	1,098,676.39
2	TRUST FUND	27,991.98
<b>TOTAL</b>		<b>1,126,668.37</b>

## Attachment 2

### Payment dates 01<sup>st</sup> of April 2017 to 30<sup>th</sup> April 2017

- Municipal Fund payment cheque numbers 34715 to 34724 total \$64,713.12.
- Trust Fund payment cheque numbers 2000 to 2002 total \$13,014.98.

#### Electronic Funds Transfer

- Municipal Fund EFT26033 to EFT26245 total \$967,324.14.
- Trust Fund \$14,977.00.

Direct Debits total \$66,639.13

All have been made in accordance with delegated authority reference number (M/F/F/Regs LGA 1995 S5.42)

Month	Cheques 2016/17	EFT Payments 2016/17	Direct Debits 2016/17	Payroll 2016/17	Total Payments 2016/17
July	\$ 140,303.80	\$1,735,888.57	\$ 59,904.45	\$ 385,392.90	\$ 2,321,489.72
August	\$ 136,849.26	\$1,446,763.64	\$ 62,959.52	\$ 388,948.80	\$ 2,035,521.22
September	\$ 130,673.61	\$1,173,159.47	\$ 73,153.18	\$ 409,601.96	\$ 1,786,588.22
October	\$ 92,486.94	\$1,919,410.46	\$ 62,022.40	\$ 415,528.34	\$ 2,489,448.14
November	\$ 87,367.01	\$1,829,179.68	\$ 95,725.27	\$ 394,750.69	\$ 2,407,022.65
December	\$ 99,569.96	\$1,482,023.73	\$ 68,860.47	\$ 618,407.99	\$ 2,268,862.15
January	\$ 53,632.24	\$1,172,265.23	\$ 67,669.65	\$ 430,022.95	\$ 1,723,590.07
February	\$ 169,046.40	\$1,274,203.19	\$ 68,051.45	\$ 431,919.95	\$ 1,943,220.99
March	\$ 126,043.83	\$1,258,915.61	\$ 70,802.07	\$ 434,975.77	\$ 1,890,737.28
April	\$ 77,728.10	\$ 982,301.14	\$ 66,639.13	\$ 408,179.78	\$ 1,534,848.15
May					\$ -
June					\$ -
<b>Total</b>	<b>\$1,113,701.15</b>	<b>\$14,274,110.72</b>	<b>\$695,787.59</b>	<b>\$4,317,729.13</b>	<b>\$20,401,328.59</b>

The Following table presents all payments made for the month from Council Credit cards paid by Direct Debit 11062.1

Summary Credit Card Payments	\$	Total
<b>Executive Manager Engineering Services</b>		
SHIRE OF NORTHAM PERMIT TO MOVE TRAILER	24.20	
SHIRE OF NORTHAM PERMIT TO MOVE TRAILER	24.20	
PUMA ENERGY SAWYERS - DIESEL	70.40	
SHIRE OF NORTHAM LICENCE	167.55	
SHIRE OF NORTHAM LICENCE	66.20	
BP THE LAKES 1903 DIESEL	91.19	
SHIRE OF NORTHAM	9.70	

SHIRE OF NORTHAM	37.40	
SHIRE OF NORTHAM	9.70	
SHIRE OF NORTHAM	37.40	
PUMA ENERGY EL CABALLO	81.99	
BP THE LAKES 1903 DIESEL	93.44	
O'BRIEN GLASS INDUSTRIES - MITSUBISHI OUTLANDER	412.00	<b>1125.37</b>
<b>CESM</b>		
CLACKERS GENERAL STORE - BASIC WAERN TRAINING 22/2/17	100.00	
CLACKERS GENERAL STORE - BASIC WAERN TRAINING 22/2/17	40.50	
DUNNINGS DIESEL - TRAINING	75.83	
RED ROOSTER - ACADEMY TRAINING STH BROOK	80.31	
JB HI-FI -IPHONE COVER & CHARGER	180.00	<b>476.64</b>
<b>Executive Manager Corporate Services</b>		
MERREDIN TOURIST PARK - ACCOMMODATION L OSBORNE & C REDMOND	300.00	
MERREDIN TOURIST PARK - ACCOMMODATION C WYNN	145.00	
MACAU CUISINE CHINESE - MARCH COUNCIL FORUM	281.00	
TRANSPERTH TICKET MIDLAND- BUDGET WORKSHOP TRAINING	4.60	
TRANSPERTH TICKET MIDLAND- BUDGET WORKSHOP TRAINING	4.60	
TRANSPERTH TICKET MIDLAND- BUDGET WORKSHOP TRAINING	4.60	
TRANSPERTH TICKET MIDLAND- BUDGET WORKSHOP TRAINING	4.60	
WEST BEACH LAGOON - STAFF TRAINING JACK GLASS	580.00	
WEST BEACH LAGOON - STAFF TRAINING REBECCA JONES	725.00	
ANNUAL CARD FEE - COLIN YOUNG	39.00	<b>2088.40</b>
<b>Executive Manager Community Services</b>		
ADOBE SYSTEMS SOFTWARE 3 USERS MONTHLY FEE	164.97	
FACEBOOK ADVERTISING	320.19	
EVERLASTINGS ON FITZGERLD	150.00	
EVERLASTINGS ON FITZGERLD	50.00	<b>685.16</b>
<b>Executive Manager Development Services</b>		
ST JOHN AMBULANCE AUST-WENDY DYMOND	160.00	
SUBWAY NORTHAM - MEETING REFRESHMENTS	110.00	<b>270.00</b>
<b>Chief Executive Officer</b>		
SUBWAY NORTHAM	206.00	
CITY OF PERTH PARKING	10.91	
PRZCHARGE.PREZI.COM - MONTHLY FEE	26.49	
SUBWAY - ROAD SAFETY COMMISSION MEETING	87.00	

FOREIGN TRANSACTION FEE	0.78	331.18
<b>Total Credit Card Expenditure</b>		<b>\$ 4,976.75</b>

#### CERTIFICATION OF THE PRESIDENT

I hereby certify that this schedule of account covering vouchers and electronic fund transfer payments as per above and totalling \$1,534,848.15 was submitted to the Ordinary Meeting of Council on Wednesday, 17 May 2017.

\_\_\_\_\_ CERTIFICATION OF THE PRESIDENT

#### CERTIFICATE OF THE CHIEF EXECUTIVE OFFICER

This schedule of accounts paid covering vouchers and electronic funds transfer payments as per above and totalling \$1,534,848.15 was submitted to each member of the Council on Wednesday, 17 May 2017, has been checked and is fully supported by vouchers and invoices which are submitted herewith and which have been duly certified as to the receipt of goods and the rendition of services and as to prices, computations and casting and the amounts shown are due for payment.

\_\_\_\_\_ CHIEF EXECUTIVE OFFICER

## 12.4.2 Financial Statements – 31<sup>st</sup> March 2017

<b>Address:</b>	N/A
<b>Owner:</b>	N/A
<b>File Reference:</b>	2.1.3.4
<b>Reporting Officer:</b>	Zoe Macdonald Accountant
<b>Responsible Officer:</b>	Colin Young Executive Manager Corporate Services
<b>Voting Requirement</b>	Simple Majority

### BRIEF

For Council to receive the Financial Statement for the period ending 31<sup>st</sup> March 2017.

### ATTACHMENTS

Attachment 1: Financial Statement for the period ending 31<sup>st</sup> March 2017.

### BACKGROUND / DETAILS

The reporting of monthly financial information is a requirement under section 6.4 of the Local Government Act 1995, and Regulation 34 of the Local Government (Financial Management) Regulations.

The Statement of Financial Activity for the period ending 31 March 2017 is included as Attachment 1 to this Agenda and includes the following reports:

- Statement of Financial Activity;
- Operating Statements;
- Balance Sheet;
- Acquisition of Assets;
- Disposal of Assets;
- Information on Borrowings;
- Reserves; and
- Net Current Assets;
- Rating Information

The report includes a summary of the financial position along with comments relating to the statements. If Councillors wish to discuss the report contents or any other matters relating to this please contact Council Finance staff prior to the meeting.

### **Notes to the Financial Statements (items in bold represent new notes)**

### Operating Income

1. **Recreation and Culture was over \$345,816 with the receipt of the WDC Grant of \$300,000.**
2. Transport is under by \$1,043,692 primarily due to the timing of Roads to Recovery Grant funding 2016 2017 of \$919,809, Wandrra funding of \$149,994 and MRWA Commodity Route funding of \$71,747.
3. Economic Services income is under budget by \$82,796, \$39,587 was budgeted for Income Retic System that will not be charged as no additional water is required, no gravel has been sold that was budgeted at \$7,497, lease fees and outgoings for NRM and the Medical Centre are lower than budget by \$21,816.
4. Other Property & Services under budget \$22,658 due predominantly to the timing of insurance claims income.

### Operating Expenditure

5. Governance is under budget 9.64% due to the timing of the items represented below;
  - Consultants are under budget by \$63,737.
  - Meeting Fees are under budget by \$16,778
  - **Administration salaries are under budget by \$21,691**
6. Law, Order and Public Safety is over budget by 15.44% predominantly relating to the items disclosed below;
  - There was a significant Loss on the sale of the Fire Trucks of \$104,663 that was unbudgeted (non-cash)
  - Standpipe expenses over budget \$17,709
7. Education and Welfare are under budget 10.41%, predominantly relating to the timing of Killara Salaries \$55,511, Killara consumables are under budget by \$19,569, Killara training is under budget by \$6,773, depreciation is \$11,461 lower than budget
8. Community Amenities is under budget \$466,299 due to the following items
  - Street bin maintenance \$20,935
  - Septage pond maintenance of \$47,410
  - Town Planning Salaries \$16,382
  - Refuse collection contract costs \$59,541
  - Refuse Site maintenance is \$235,713 lower than anticipated. It includes Inkpen Road Waste Management Cell Development project has legislative requirements to comply with for reclassification licensing prior to commencement. Hence a delay in its start. Budget for the project is \$95,040.
  - Regional verge bins expense of \$40,422, lower than budgeted uptake of new service.
  - Green Waste Management \$15,344
  - The Cemetery expenses are \$20,877 under budget
9. Other Economic Services is under budget by \$191,682 represented by the items presented below;
  - Festivals and events are under budget by \$19,279



- Reticulation system maintenance under budget by \$22,515
- Council Property Maintenance \$15,566
- Salaries Visitor Centre \$28,067
- Other Property and Services is over budget \$18,047, 17.46% due to the supervision salaries and wages in public works overheads of \$15,475

**Operating Income by Nature and Type**

10. Other revenue is under budget by \$178,318 predominantly due to timing differences with legal fee recovery \$44,355, DFES overspend budget recovery \$33,086, Town Planning Fines \$22,255, Insurance \$61,255 being the pending Wundowie Pool Claim.

**Operating Expenditure by Nature and Type**

11. Materials and contracts are under budget by 26%, this is
- the timing of expenditure relating to, the Avon Waste and site maintenance for the operation of Councils waste facility by \$235,713
  - Consultants \$70,940
  - Northam and Wundowie Pool Operating and building expenses of \$70,939
  - Recreation control is \$41,927
  - Parks and Gardens \$59,351
  - Jubilee Pavillion \$32,388
12. Interest expenditure is under budget \$45,572 (timing).
13. Other expenditure is over budget \$232,549, Landgate valuations \$15,843, Meeting Fees \$16,778, timing of Chamber of Commerce Area Promotion \$15,000.

**Non-Operating Income**

14. Capital Income is under budget by \$655,408, this relates to timing of expenditure \$919,809 of Roads to Recovery Grant, with the exception of the items disclosed below.

**Capital Expenditure Item reporting**

<b>ACQUISITION OF ASSETS</b>	<b>16/17 Budget \$</b>	<b>Ytd Actual \$</b>
<b><u>By Program</u></b>		
<b>Law &amp; Order</b>		
Brigade Appliance 3.4 Grass Valley	335,000	365,333

**CONSIDERATIONS**

### **Strategic Community / Corporate Business Plan**

Objective G2: Improve organisational capability and capacity.

Strategy G2.3: Operate / manage organisation in a financially sustainable manner.

### **Financial / Resource Implications**

The Statement of Accounts have been prepared in accordance with Council's 2016/17 Budget.

### **Legislative Compliance**

Section 6.4 and 6.26(2)(g) of the Local Government Act.

Local Government (Financial Management) Regulations 1996.

### **Policy Implications**

Nil.

### **Stakeholder Engagement / Consultation**

N/A.

### **Risk Implications**

Nil.

### **OFFICER'S COMMENT**

Nil.

### **RECOMMENDATION**

**That Council receive the Financial Statements, prepared in accordance with the Local Government (Financial Management) Regulations, for the period ended 31<sup>st</sup> March 2017.**

## Attachment 1



SHIRE OF NORTHAM  
STATEMENT OF FINANCIAL ACTIVITY  
FOR THE PERIOD ENDING 31 MARCH 2017

NOTE	16/17	Ytd	Ytd	Variances	Variances
	Revised Budget \$	Budget \$	Actual \$	Actuals to Budget \$	Actuals to Budget %
<b>Operating</b>					
<b>Revenues</b>					
	95,992	89,343	97,802	8,459	9.47%
Governance					
General Purpose Funding Other	3,824,263	2,845,095	2,802,595	(42,500)	(1.49%)
General Purpose Funding Rates	8,945,651	8,908,790	8,955,958	47,168	0.53%
Law, Order, Public Safety	1,304,615	1,050,413	1,075,856	25,443	2.42%
Health	75,000	52,494	56,748	4,254	8.10%
Education and Welfare	1,585,637	1,248,200	1,245,813	(2,387)	(0.19%)
Housing	44,978	33,714	29,770	(3,944)	(11.70%)
Community Amenities	2,594,125	2,299,784	2,320,249	20,465	0.89%
Recreation and Culture	5,542,044	814,789	1,180,605	345,816	42.44%
Transport	2,680,616	1,754,604	710,912	(1,043,692)	(59.48%)
Economic Services	516,543	388,919	306,123	(82,796)	(21.29%)
Other Property and Services	113,200	102,129	79,471	(22,658)	(22.19%)
<b>Total Operating Revenue</b>	<b>27,322,665</b>	<b>19,588,274</b>	<b>18,841,804</b>	<b>(746,370)</b>	<b>(3.61%)</b>
<b>Expenses</b>					
Governance	(1,297,588)	(953,350)	(861,435)	91,915	8.64%
General Purpose Funding	(301,469)	(177,114)	(159,187)	17,927	10.12%
Law, Order, Public Safety	(1,174,917)	(891,314)	(1,028,954)	(137,640)	(15.44%)
Health	(343,092)	(251,721)	(237,680)	14,041	5.58%
Education and Welfare	(1,422,368)	(1,057,713)	(947,649)	110,065	10.41%
Housing	(90,621)	(68,641)	(64,243)	4,398	6.41%
Community Amenities	(3,568,391)	(2,456,023)	(1,989,724)	466,299	18.99%
Recreation & Culture	(4,469,491)	(3,435,860)	(3,317,950)	117,910	3.43%
Transport	(5,156,429)	(3,817,007)	(3,743,902)	73,105	1.92%
Economic Services	(2,009,102)	(1,540,406)	(1,348,724)	191,682	12.44%
Other Property and Services	(96,683)	(103,388)	(85,341)	18,047	17.46%
<b>Total Operating Expenses</b>	<b>(19,930,150)</b>	<b>(14,752,537)</b>	<b>(13,784,789)</b>	<b>967,749</b>	<b>6.56%</b>
<b>Removal of Non-Cash Items</b>					
(Profit)/Loss on Asset Disposals	(67,036)	(100,876)	2,267	103,143	102.25%
Movement in Employee Benefit Provisions	0	0	(9,236)	(9,236)	
Depreciation on Assets	4,157,607	3,118,107	3,016,179	(101,928)	3.27%
<b>Non Operating Items</b>					
Purchase Land Held for Resale	0	0	0	0	0.00%
Purchase Land and Buildings	(6,871,273)	(1,624,322)	(775,127)	849,195	52.28%
Purchase Plant and Equipment	(1,301,485)	(972,832)	(865,901)	106,931	10.99%
Purchase Furniture and Equipment	(57,989)	(48,827)	(18,768)	30,059	61.56%
Purchase Bush Fire Equipment	(460,000)	(460,000)	(480,159)	(20,159)	(4.38%)
Purchase Infrastructure Assets - Roads	(4,050,626)	(2,724,266)	(1,412,098)	1,312,168	48.17%
Purchase Infrastructure Assets - Footpaths	(402,939)	(268,584)	(175,714)	92,870	34.58%
Purchase Infrastructure Assets - Drainage	(2,301,694)	(1,499,806)	(845,210)	854,598	43.65%
Purchase Infrastructure Assets - Parks & Ovals	(1,211,715)	(191,158)	(101,567)	89,591	46.87%
Purchase Infrastructure Assets - Streetscape	(175,000)	(116,664)	(148,457)	(31,793)	(27.25%)
Purchase Infrastructure Assets - Other	(2,249,187)	(243,315)	(200,284)	43,031	17.69%
Proceeds from Disposal of Assets	605,429	335,269	459,354	124,085	(37.01%)
Repayment of Debentures	(223,416)	(167,535)	(165,173)	2,362	1.41%
Proceeds from New Debentures	1,884,000	0	150,000	150,000	
Advances to Community Groups	(150,000)	0	0	0	
Self-Supporting Loan Principal Income	31,979	23,984	15,748	(8,236)	34.34%
Transfers to Restricted Assets (Reserves)	(1,439,788)	0	(874,717)	(874,717)	
Transfers from Restricted Asset (Reserves)	3,083,881	0	(230,000)	(230,000)	
Transfers from Restricted Asset (Other)	0	0	0	0	0.00%
<b>ADD Net Current Assets July 1 B/Fwd</b>	<b>4,006,738</b>	<b>4,006,738</b>	<b>5,908,402</b>	<b>1,899,664</b>	
<b>LESS Year End Adjustment - Killara</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>LESS Net Current Assets Year to Date</b>	<b>0</b>	<b>0</b>	<b>7,362,932</b>	<b>7,362,932</b>	
<b>Surplus</b>	<b>0</b>	<b>3,901,650</b>	<b>826,076</b>	<b>(3,075,574)</b>	

This statement is to be read in conjunction with the accompanying notes.

**SHIRE OF NORTHAM**  
**NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY**  
**FOR THE PERIOD ENDING 31 MARCH 2017**

**1. OPERATING STATEMENT**

	Note	16/17 Budget \$	Ytd Budget	Ytd Actual \$	Variance Actuals to Budget \$	Variance Actual to Budget %
<b>OPERATING REVENUES</b>						
Rates		9,016,965	8,998,527	8,957,834	(40,693)	0%
Operating Grants Subsidies and Contributions		5,253,542	3,973,523	4,015,113	41,590	1%
Fees and Charges		3,748,012	3,191,941	3,153,300	(38,641)	-1%
Proceeds from Sale of Assets				26,364		
Service Charges			0	0	0	
Interest Earnings		340,000	254,988	247,530	(7,458)	-3%
Other Revenue	10	851,245	549,866	371,548	(178,318)	-32%
<b>TOTAL OPERATING REVENUE</b>		<b>19,209,765</b>	<b>16,968,845</b>	<b>16,771,688</b>	<b>(223,521)</b>	<b>-1%</b>
<b>OPERATING EXPENSES</b>						
Employee Costs		(7,757,067)	(5,761,928)	(5,682,185)	79,743	1%
Materials and Contracts	11	(6,310,220)	(4,574,456)	(3,403,695)	1,170,761	26%
Utility Charges		(812,191)	(608,499)	(572,238)	36,261	6%
Depreciation of Non Current Assets		(4,157,607)	(3,118,107)	(3,016,179)	101,928	3%
Interest Expenses	12	(143,380)	(107,514)	(61,942)	45,572	42%
Insurance Expenses		(438,444)	(438,401)	(463,031)	(24,630)	-6%
Other Expenditure	13	(224,879)	(138,209)	(370,758)	(232,549)	-168%
<b>TOTAL OPERATING EXPENSE</b>		<b>(19,843,788)</b>	<b>(14,747,114)</b>	<b>(13,570,029)</b>	<b>1,177,086</b>	<b>-8%</b>
Non Operating Grants Subsidies and Contribution:	14	7,959,501	2,513,130	1,857,722	(655,408)	26%
Profit on Asset Disposals		212,712	210,109	212,494	2,385	-1%
Loss on Asset Disposals		(145,676)	(109,233)	(214,761)	(105,528)	-97%
<b>RESULTING FROM OPERATIONS</b>		<b>7,392,514</b>	<b>4,835,737</b>	<b>5,057,115</b>	<b>221,378</b>	<b>5%</b>

**SHIRE OF NORTHAM**  
**NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY**  
**FOR THE PERIOD ENDING 31 MARCH 2017**

**2. BALANCE SHEET**

	<b>Ytd Actual \$</b>	<b>2015/2016 Actual \$</b>
<b>CURRENT ASSETS</b>		
Cash Assets	10,535,143	10,169,233
Receivables	3,042,041	2,223,094
Inventories	0	35,885
<b>TOTAL CURRENT ASSETS</b>	<u>13,577,184</u>	<u>12,428,212</u>
<b>NON-CURRENT ASSETS</b>		
Receivables	560,285	410,285
Inventories	0	0
Land and Buildings	52,266,452	52,041,703
Property, Plant and Equipment	6,259,538	5,130,117
Infrastructure	144,665,273	144,424,083
<b>TOTAL NON-CURRENT ASSETS</b>	<u>203,751,548</u>	<u>202,006,188</u>
<b>TOTAL ASSETS</b>	<u>217,328,732</u>	<u>214,434,400</u>
<b>CURRENT LIABILITIES</b>		
Payables	77,415	2,216,031
Interest-bearing Liabilities	44,706	209,878
Provisions	998,083	1,007,320
<b>TOTAL CURRENT LIABILITIES</b>	<u>1,120,204</u>	<u>3,433,229</u>
<b>NON-CURRENT LIABILITIES</b>		
Interest-bearing Liabilities	2,241,881	2,091,882
Provisions	190,732	190,732
<b>TOTAL NON-CURRENT LIABILITIES</b>	<u>2,432,613</u>	<u>2,282,614</u>
<b>TOTAL LIABILITIES</b>	<u>3,552,817</u>	<u>5,715,843</u>
<b>NET ASSETS</b>	<u>213,775,915</u>	<u>208,718,557</u>
<b>EQUITY</b>		
Retained Surplus	83,236,418	78,255,231
Reserves - Cash Backed	5,710,240	5,634,070
Reserves - Asset Revaluation	124,829,257	124,829,256
<b>TOTAL EQUITY</b>	<u>213,775,915</u>	<u>208,718,557</u>



SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD ENDING 31 MARCH 2017

3. ACQUISITION OF ASSETS	16/17 Budget \$	Ytd Actual \$
The following assets have been acquired during the period under review:		
<b>By Program</b>		
<b>Governance</b>		
CEO Vehicle	58,000	55,909
Executive Manager Corporate Services	40,000	40,841
Admin Building	337,500	0
Intramaps GIS	30,523	3,128
<b>Law, Order &amp; Public Safety</b>		
Toyota Hilux Dual Cab	26,363	26,364
Brigade Appliance -3.4 Grass Valley	335,000	365,333
Brigade Appliance - Light Tanker Irishtown BFE	125,000	114,826
Inkpen Fireshed	114,589	105,227
Electronic Conversion of Standpipe	12,500	11,815
CCTV - Fitzgerald St & Peel Tce	235,000	27,204
<b>Health</b>		
Health Officer Vehicle	25,000	0
<b>Education &amp; Welfare</b>		
Bernard Park Play Group modify toilet & disabled access	19,500	26,769
Kuringal Village Unit Upgrade	54,890	10,107
<b>Community Amenities</b>		
Gate House - Inkpen Landfill	9,500	3,800
Recycling Area - Inkpen Landfill	20,000	7,426
Infrastructure Septage Ponds	150,000	83,077
Bernard Park Drainage	620,987	713,509
Other Drainage	297,012	31,881
Northam Town Centre Drainage	112,603	1,769
Drainage Avon Mall		13,255
King Creek Drainage	552,189	15,840
CLGF Drainage 2012 2013	200,756	0
Town Pool Reserve Supertowns CF	75,000	0
Fencing Inkpen	55,000	51,173
Fencing Old Refuse Site Grass Valley	20,000	3,000
Inkpen Site Drainage	100,000	2,243
Upgrade River Bank Fencing	30,318	0
Snr Planners Vehicle	35,000	31,719
Hoopers Park Toilets Bakers Hill	4,050	0
Avon Mall Upgrade & Streetscaping	165,000	148,457
Cemetery New Rest Room	53,972	0
Cemetery Drainage	2,769	2,273
Cemetery Car Parking	40,000	0
Cemetery Lot Development	28,600	0

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD ENDING 31 MARCH 2017

3. ACQUISITION OF ASSETS (Continued)	16/17 Budget \$	2017 Actual \$
<b><u>By Program (Continued)</u></b>		
<b>Recreation and Culture</b>		
Town Hall Balcony & Render	313,990	5,318
Quellington Hall Windows & Doors	23,880	0
Swimming Pool Redevelopment	1,500,000	19,500
Rec Centre Air floor reseal & linemarking	157,000	107,637
Rec Centre Additional Exit Doors	31,519	0
Rec Centre Hardstand	3,350	0
Bert Hawk Pavillion Upgrade	40,000	1,550
Bakers Hill Golf & Tennis Kitchen Refurb	60,365	0
Bakers Hill Pavillion Air Conditioning	22,136	18,409
Ceiling Mounted Projector Hospitality Room	3,000	1,925
George Nuich Park	46,607	43,419
Play Equip Wundowie Retaining Wall	9,796	8,609
Broome Terrace Fitness Equipment	34,243	21,439
BMX Lighting	20,000	887
Bert Hawke Drainage	40,000	0
Bert Hawke Lighting	20,000	0
Hooper Park upgrade lighting	10,000	0
Long Jump Pit	17,580	295
Upgrade Bernard Park Reticulation	44,078	5,954
Bridge Crossing Fixings	10,000	0
POS Playground Equipment	100,000	5,481
Northam Youth Space	859,411	15,450
Replace Sewer Line Wundowie	14,300	0
Library Server Cabinet	3,500	0
Old Railway Station	50,000	0
AVVVA - Building	117,365	62,714
Aboriginal & Environmental Building	5,108,686	423,370

SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD ENDING 31 MARCH 2017

3. ACQUISITION OF ASSETS (Continued)	16/17 Budget \$	2017 Actual \$
<b><u>By Program (Continued)</u></b>		
<b>Transport</b>		
Northam Depot Redesign	10,000	0
Footpath Construction	373,939	175,714
Footpath Renewal	29,000	0
Rural Drainage	493,147	68,956
Roads RRG	880,471	880,353
Roadworks - General Construction	612,294	21,667
Bridge Construction	-	0
Roadworks - Roads to Recovery	1,487,115	146,340
Roadworks - Supplementary Funding	328,601	324
Laneway Land Acquisition	57,000	0
Roadworks - Blackspot Funding	181,165	132,073
Infra Development - Super Towns	-	0
Roadworks - Gravel Sheeting	414,980	183,937
Kerb Renewal	96,000	47,405
Culvert Renewal	50,000	0
Airport Electrical and Water	-	34,371
Plant & Equipment - Road Plant Purchases	915,941	711,069
<b>Economic Services</b>		
Visitors Centre Audio	20,966	13,716
Soil Drains	12,000	2,800
Signs Tower - GEH	10,000	0
Waste Water Pump Station	201,181	0
Bakers Hill & Wundowie Water Project	25,000	0
	19,082,302	5,057,658



SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD ENDING 31 MARCH 2017

3. ACQUISITION OF ASSETS (Continued)	16/17 Budget \$	2017 Actual \$
<b><u>By Class</u></b>		
Land Held for Resale	0	0
Land and Buildings	6,871,667	775,127
Plant and Equipment	1,301,485	865,901
Furniture and Equipment	57,989	18,768
Bush Fire Equipment	460,000	480,159
Playground Equipment	0	0
Infrastructure Assets - Roads	4,050,626	1,412,098
Infrastructure Assets - Footpaths	402,939	175,714
Infrastructure Assets - Bridges & Culverts	0	0
Infrastructure Assets - Drainage	2,301,694	845,210
Infrastructure Assets - Parks & Ovals	1,211,715	101,567
Infrastructure Assets - Airfields	0	34,371
Infrastructure Assets - Streetscape	175,000	148,457
Infrastructure Assets - Other	2,249,187	200,284
	19,082,302	5,057,658



SHIRE OF NORTHAM  
NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY  
FOR THE PERIOD ENDING 31 MARCH 2017

4. DISPOSALS OF ASSETS

The following assets have been disposed of during the period under review:

By Program	Written Down Value		Sale Proceeds		Profit/(Loss)	
	16/17 Budget \$	Ytd Actual \$	16/17 Budget \$	Ytd Actual \$	16/17 Budget \$	Ytd Actual \$
<b>Governance</b>						
PN1315 CEO Vehicle (N4082) MV1315	35,742	41,929	35,000	35,000	(742)	(6,929)
PN1313 EMCS Vehicle (N10931) MV1313	27,832	31,866	25,000	22,727	(2,832)	(9,139)
<b>Law, Order, Public Safety</b>						
PN1223 N.4021Holden Colorado Snr Ranger		21,463		24,457		2,994
1DAB 318 2002 Landcruiser Irishtown BFB		114,465		28,352	0	(86,113)
N.1562 3.4 Rural Appliance Grass Valley		38,096		19,545		(18,551)
<b>Health</b>						
PN1402 Mgr Planning Vehicle (N.3333) MV1402	29,015	29,585	23,500	18,182	(5,515)	(11,404)
<b>Community Amenities</b>						
PN1403 Toyota Rav4 2wd Petrol	20,048		16,900		(3,148)	
<b>Recreation &amp; Culture</b>						
Sale of Land Tfr to community recreation & Facilities Reserve	15,500	15,500	217,806	225,000	202,306	209,500
<b>Transport</b>						
PN0917 N003 Fuso Canter Dual Cab 4T 9251	45,297	41,500	28,000	20,454	(17,297)	(21,046)
PN0914 N007 Fuso Fighter 9T 9247	76,000	63,000	50,000	39,091	(26,000)	(23,909)
Caterpillar Skid Steer	24,000		5,500		(18,500)	
PN1709 N1709 Multi Roller S589	43,748	43,798	5,000	12,000	(38,748)	(31,798)
PN0819 N5413 Afron Cherry Picker Trailer 9220	1,250		9,580		8,330	
PN5066 Road Broom 2003 S133	12,323		1,500		(10,823)	
No Asset No PN2123 Husqvarna ride on reel mower	0		1,000		1,000	
PN2482 Trailer Bobcat 4.5T S98	1,424		2,500		1,076	
Papas Box Top Trailer Dynapac Roller 211 PN590	1,100		500		(600)	
PN542 P542 Howard Procut Mower 210 2008 9113	4,049		1,500		(2,549)	
PN1004 N5461 Bobcat Trailer 4.5T RP0001	7,997		5,000		(2,997)	
PN1404 N10721 Isuzu Stsdrn 2014 Exec Mgr Works Serv M	34,860		32,000	26,364	(2,860)	
PN1308 N4099 Toyota Hilux 2.7i Petrol Ute MV1308	13,422		9,000		(4,422)	
PN1401 N10938 Mazda BT50 T Top Ute MV1401	17,314		10,000		(7,314)	
PN1409 N11069 Mitsubishi ASX 2.5i Premium MV1408	23,729	20,419	22,400	14,545	(1,329)	(5,873)
	434,650	461,621	501,686	485,718	67,036	(2,267)



SHIRE OF NORTHAM  
NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY  
FOR THE PERIOD ENDING 31 MARCH 2017

4. DISPOSALS OF ASSETS

The following assets have been disposed of during the period under review:

By Class	Written Down Value		Sale Proceeds		Profit(Loss)	
	16/17 Budget \$	Ytd Actual \$	16/17 Budget \$	Ytd Actual \$	16/17 Budget \$	Ytd Actual \$
<b>Land &amp; Buildings</b>						
Sale of Land Tfr to community recreation & Facilities Reserve	15,500	15,500	217,806	225,000	202,306	209,500
<b>Plant &amp; Equipment</b>						
PN1315 CEO Vehicle (N4082) MV1315	35,742	41,929	35,000	35,000	(742)	(6,929)
PN1223 N.4021Holden Colorado Snr Ranger		21,463		24,457		2,994
PN1313 EMCS Vehicle (N10931) MV1313	27,832	31,866	25,000	22,727	(2,832)	(9,139)
1DAB 318 2002 Landcruiser Irishtown BFB		114,465		28,352		(86,113)
N.1562 3.4 Rural Appliance Grass Valley		38,096		19,545		(18,551)
PN1402 Mgr Planning Vehicle (N.3333) MV1402	29,015	29,585	23,500	18,182	(5,515)	(11,404)
PN1403 Toyota Rav4 2wd Petrol	20,048	0	16,900	0	(3,148)	0
PN0917 N003 Fuso Canter Dual Cab 4T 9251	45,297	41,500	28,000	20,454	(17,297)	(21,046)
PN0914 N007 Fuso Fighter 9T 9247	76,000	63,000	50,000	39,091	(26,000)	(23,909)
Caterpillar Skid Steer	24,000	0	5,500	0	(18,500)	0
PN1709 N1709 Multi Roller S589	43,748	43,798	5,000	12,000	(38,748)	(31,798)
PN0819 N5413 Afron Cherry Picker Trailer 9220	1,250	0	9,580	0	8,330	0
PN5066 Road Broom 2003 S133	12,323	0	1,500	0	(10,823)	0
No Asset No PN2123 Husqvarna ride on reel mower	0	0	1,000	0	1,000	0
PN2482 Trailer Bobcat 4.5T S98	1,424	0	2,500	0	1,076	0
Papas Box Top Trailer Dynapac Roller 211 PN590	1,100	0	500	0	(600)	0
PN542 P542 Howard Procut Mower 210 2008 9113	4,049	0	1,500	0	(2,549)	0
PN1004 N5461 Bobcat Trailer 4.5T RP0001	7,997	0	5,000	0	(2,997)	0
PN1404 N10721 Isuzu Stsdn 2014 Exec Mgr Works Serv M	34,860	0	32,000	0	(2,860)	0
PN1308 N4099 Toyota Hilux 2.7i Petrol Ute MV1308	13,422	0	9,000	0	(4,422)	0
PN1401 N10938 Mazda BT50 T Top Ute MV1401	17,314	0	10,000	0	(7,314)	0
PN1409 N11069 Mitsubishi ASX 2.5i Premium MV1408	23,729	20,419	22,400	14,545	(1,329)	(5,873)
	434,650	461,621	501,686	459,354	67,036	(2,267)
<b>Summary</b>					16/17 Budget \$	Ytd Actual \$
Profit on Asset Disposals					212,712	212,494
Loss on Asset Disposals					(145,676)	(214,761)
					67,036	(2,267)



SHIRE OF NORTHAM

NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD ENDING 31 MARCH 2017

5 INFORMATION ON BORROWINGS

(a) Debenture Repayments

Particulars	Principal 1-Jul-16	New Loans		Principal Repayments		Principal Outstanding		Interest Repayments	
		16/17 Budget \$	Ytd Actual \$	16/17 Budget \$	Ytd Actual \$	16/17 Budget \$	Ytd Actual \$	16/17 Budget \$	Ytd Actual \$
<b>Recreation &amp; Culture</b>									
Loan 208 - Northam Country Club **	20,351	0	0	5,292	2,598	15,059	17,753	1,402	485
Loan 219 - Northam Bowling Club **	69,743	150,000	150,000	26,687	13,150	193,056	206,593	3,664	1,500
Loan 223 - Recreation Facilities	476,699	0	0	108,724	108,724	367,975	367,975	27,265	16,808
Loan 224 - Recreation Facilities	940,058	0	0	38,622	19,003	901,436	921,055	60,300	23,304
Loan New - Swimming Pool		1,000,000	0		0	1,000,000	0		
Loan New - Youth Space		500,000	0		0	500,000	0		
<b>Transport</b>									
Loan 221 - Airstrip Upgrade	25,770	0	0	12,491	6,150	13,279	19,620	1,412	777
<b>Economic Services</b>									
Loan 225 - Victoria Oval Purchase	769,138	0	0	31,600	15,548	737,538	753,590	49,336	19,067
	2,301,759	1,650,000	150,000	223,416	165,173	3,728,343	2,286,586	143,379	61,941

Note: \*\* indicates self - supporting loans

All other debenture repayments are to be financed by general purpose revenue.

Loan 221 - No longer a self supporting loan to Northam Aero Club now financed by general purpose revenue.

SHIRE OF NORTHAM  
NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD ENDING 31 MARCH 2017

	16/17 Budget				Ytd Actual					
	Opening Bal	Interest	Tfr To Reserve	Tfr From Reserve	Total	Opening Bal	Interest	Tfr To Reserve	Tfr From Reserve	Total
<b>6. RESERVES - CASH BACKED</b>										
Aged Accomodation Reserve	215,019	4,606	5,000	(13,500)	211,125	216,265	3,956	-	-	220,221
Employee Liability Reserva	467,474	10,010	-	(25,000)	452,484	469,890	6,595	-	-	471,485
Housing Reserve	246,892	5,287	-	-	252,179	248,079	4,538	-	-	252,617
Reticulation Scheme Reserve	89,575	1,918	10,000	(44,078)	57,415	89,816	1,643	-	-	91,459
Office Equipment Reserve	124,531	2,867	-	(30,523)	96,875	125,130	2,286	-	-	127,415
Plant & Equipment Reserve	521,676	11,171	230,000	(480,252)	282,595	524,607	9,565	480,252	230,000	1,244,424
Recreation Reserve	-	-	-	-	-	-	-	-	-	-
Road & Bridgeworks Reserve	97,028	2,078	-	-	99,106	99,575	1,823	-	-	101,498
Refuse Site Reserve	362,732	7,767	56,940	(75,000)	352,439	363,859	6,656	-	-	370,515
Regional Development Reserve	888,434	19,024	-	(480,981)	426,477	892,704	16,330	-	-	909,034
Speedway Reserve	137,252	2,939	-	-	140,191	137,911	2,523	-	-	140,434
Community Bus Replacement Reserve	31,665	676	20,000	-	52,343	31,817	582	-	-	32,399
Septage Pond Reserve	355,905	7,621	54,848	(186,000)	232,374	357,491	6,539	-	-	364,030
Killara Reserve	148,474	3,179	7,000	-	158,653	149,297	2,731	-	-	152,028
Stormwater Drainage Projects Reserve	27,906	598	-	-	28,504	28,040	513	-	-	28,553
Recreation and Community Facilities Reserve	768,243	16,446	831,000	(1,120,447)	495,242	772,149	18,042	257,000	-	1,047,191
Administration Office Reserve	658,978	14,111	-	(337,500)	335,589	662,257	12,114	30,523	-	704,894
Council Buildings & Amenities Reserve	32,408	694	-	(27,000)	6,102	33,036	604	-	-	33,642
River Town Pool Dredging Reserve	288,488	6,177	-	(223,600)	71,065	289,875	5,303	-	-	295,178
Parking Facilities Construction Reserve	119,884	2,567	70,000	(40,000)	152,451	120,488	2,204	-	-	122,692
Art Collection Reserve	21,578	462	-	-	22,040	21,682	397	-	-	22,079
Election Reserve	-	-	15,000	-	15,000	-	-	-	-	-
Revaluation Reserve	-	-	20,000	-	20,000	-	-	-	-	-
<b>Total Cash Backed Reserves</b>	<b>5,604,142</b>	<b>120,000</b>	<b>1,319,788</b>	<b>(3,083,881)</b>	<b>3,980,049</b>	<b>5,634,070</b>	<b>106,944</b>	<b>767,776</b>	<b>230,000</b>	<b>6,738,789</b>
<b>Total Interest</b>				<b>1,439,788</b>			<b>106,944</b>			

All of the above reserve accounts are to be supported by money held in financial institutions.



SHIRE OF NORTHAM

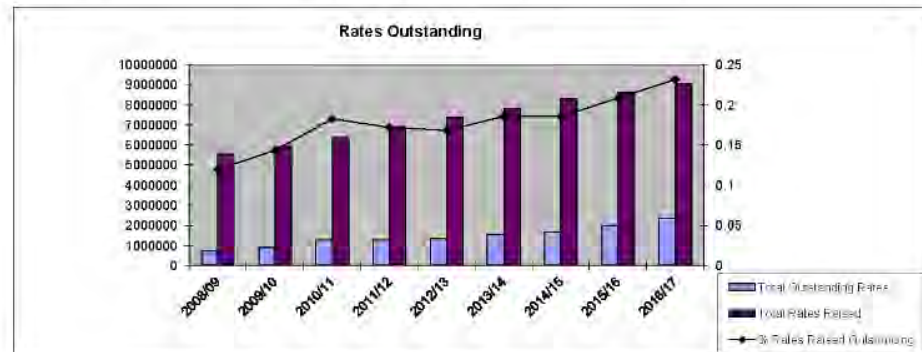
NOTES TO AND FORMING PART OF THE STATEMENT OF FINANCIAL ACTIVITY

FOR THE PERIOD ENDING 31 MARCH 2017

	16/17 Budget	Ytd Actual	2015/2016 Financial Report
	\$	\$	\$
<b>7. NET CURRENT ASSETS</b>			
<b>Composition of Estimated Net Current Asset Position</b>			
<b>CURRENT ASSETS</b>			
Cash - Unrestricted	200,000	3,130,960	2,346,221
Cash - Restricted Unspent Grants	0	1,686,943	0
Cash - Restricted Reserves	3,960,049	5,717,240	7,823,012
Self Supporting Loan		2,695	0
Sundry Debtors	1,601,337	748,982	2,223,095
Rates - Current	0	2,224,050	0
Pensioners Rates Rebate	0	116,349	0
Provision for Doubtful Debts	0	(99,088)	0
Accrued Income/Prepayments	0	49,055	0
Inventories	10,000	0	35,885
	<u>5,771,386</u>	<u>13,577,186</u>	<u>12,428,212</u>
<b>LESS: CURRENT LIABILITIES</b>			
Sundry Creditors	(2,612,237)	(102,454)	(2,216,031)
Rates Income in Advance	0	29,926	0
Accrued Interest on Debentures	0	240	0
Payg Payable	0	(5,128)	0
Loan Liability	0	(44,706)	(209,878)
Provision for Annual Leave	0	(602,378)	(602,378)
Provision for Long Service Leave	0	(395,705)	(404,942)
	<u>(2,612,237)</u>	<u>(1,120,205)</u>	<u>(3,433,229)</u>
<b>NET CURRENT ASSET POSITION</b>	<b>3,159,149</b>	<b>12,456,981</b>	<b>8,994,983</b>
Less: Cash - Reserves - Restricted	(3,960,049)	(5,717,240)	(5,634,070)
Less: Cash - Unspent Grants - Restricted	0	0	0
Less: Land for resale - Cost of acquisition			(15,500)
Less: Loans receivable - clubs/institutions			(18,442)
Add: Current Loan Liability	223,416	44,706	209,878
Add: Leave Liability Reserve	477,484	478,485	469,890
Add: Budgeted Leave	100,000	100,000	0
<b>ESTIMATED SURPLUS/(DEFICIENCY) C/FWD</b>	<b>0</b>	<b>7,362,932</b>	<b>4,006,739</b>

**SHIRE OF NORTHAM  
RATING REPORT  
FOR THE PERIOD ENDED 31 MARCH 2017**

	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
<b>Key Rating Dates</b>									
RATES ISSUED	12/01/2008	23/07/09	06/01/10	05/09/2011	3/03/2012	4/09/2013	11/03/14	19/08/15	30/09/2016
RATES DUE	15/04/2008	04/07/09	13/09/2010	23/09/2011	24/09/2012	13/10/2013	01/03/14	24/08/15	24/09/2016
2nd INSTALLMENT DUE	17/11/2008	04/11/09	15/11/2010	23/11/2011	16/11/2012	23/12/2013	01/12/2014	20/11/2015	30/11/2016
3rd INSTALLMENT DUE	19/01/2009	11/01/2010	11/01/2011	23/01/2012	29/01/2013	27/02/2014	01/02/2015	20/01/2016	01/02/2017
4th INSTALLMENT DUE	18/03/2009	11/03/2010	19/03/2011	22/03/2012	27/03/2013	24/04/2014	30/04/2015	28/03/2016	31/03/2017
Outstanding (23/3/17)	\$386,392	\$405,172	\$540,290	\$521,194	\$562,531	\$568,647	\$716,120	\$873,686	\$1,116,220
Rates Collected	\$5,512,994	\$5,879,217	\$6,268,889	\$6,851,706	\$7,312,029	\$7,758,147	\$8,222,616	\$8,552,189	\$8,931,257
Interest Forgone	\$60,118	\$67,958	\$87,288	\$70,016	\$71,374	\$86,930	\$88,519	\$85,488	\$93,615
<b>Rates Paid by month</b>									
July	51,557	48,247	24,596	51,948	38,806	47,443	52,554	29,105	43,333
August	772,417	1,402,457	1,272,790	1,120,912	1,043,163	23,961	119,840	700,198	367,776
September	2,856,797	2,241,533	2,736,315	3,251,815	3,604,324	1,152,416	2,650,420	4,519,842	4,243,288
October	389,196	627,550	374,463	318,701	443,703	3,790,646	2,550,091	630,886	1,166,136
November	557,192	494,773	600,065	689,461	690,522	444,497	506,022	842,856	908,844
December	167,537	179,425	158,023	172,178	160,665	685,338	654,900	214,507	336,154
January	354,293	333,075	362,369	441,740	469,219	194,157	295,629	441,681	464,526
February	94,802	101,317	99,165	112,296	166,351	502,176	508,828	149,327	260,963
March	214,072	304,264	404,575	438,277	448,126	176,270	256,379	501,416	589,684
April									
May									
June									
Total YTD	6,457,864	6,732,642	6,032,349	6,597,328	7,054,878	7,016,904	7,604,664	8,128,818	8,380,703
<b>% Rates Outstanding</b>	<b>8.4%</b>	<b>9.8%</b>	<b>12.5%</b>	<b>11.4%</b>	<b>11.2%</b>	<b>16.8%</b>	<b>15.8%</b>	<b>14.5%</b>	<b>17.4%</b>
	501,641	519,705	864,118	845,587	891,056	1,396,820	1,422,591	1,382,544	1,760,390



### 12.4.3 Federal Football Club Lease

<b>Address:</b>	Lot 470, 471 Great Eastern Highway & Lot 495 Trimmer Road Northam
<b>Owner:</b>	Shire of Northam
<b>File Reference:</b>	A15887, A2380
<b>Reporting Officer:</b>	Cheryl Greenough Coordinator Governance and Administration
<b>Responsible Officer:</b>	Colin Young Executive Manager Corporate Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

This report is to advise Council of the outcome of advertising a portion of A15887, Lot 471 Great Eastern Highway, Reserve 44700 Old Quarry Road, Northam (also known as the 'Commonage') and Lot 495 Trimmer Road Northam for local community clubs to use as a fund raising opportunity for their club.

#### ATTACHMENTS

Nil.

#### BACKGROUND / DETAILS

At the Ordinary Council meeting 20 January 2016 council resolved the following:

*That Council;*

1. *Provided all proceeds from agricultural pursuits belong to the club and not an individual person or company or trust:*
  - a) *Allow the Federal Football Club to lease a portion of Lot 471 for a period of 1 year, with a 5 year option to renew at the discretion of the Shire of Northam, with Federal Football Club to pay for drawing up of the lease, the first years lease fees (rental of \$2,000 per annum) and any water rates payable during the term of the lease, also;*
  - b) *Allow the Federal Football Club to lease a portion of Lot 495 Trimmer Road for a period of 1 year, with a 5 year option to renew at the discretion of the Shire of Northam, with Federal Football Club to pay for drawing up of the lease, the first years lease fees (rental of \$2,000 per annum) and any water rates payable during the term of the*



lease. In addition the Club is required to maintain the right of access being granted to the Northam Districts Motorcycle Club or any future club who may lease that portion of land, and also maintain firebreaks as required.

2. Request the Chief Executive Officer to advertise 8 weeks prior to the conclusion of this 1 year lease for the expressions of interest from Community Clubs to lease Lot 471.

CARRIED 9/0

## CONSIDERATIONS

### Strategic Community / Corporate Business Plan

Objective C3: Provide active and passive recreation facilities and services.

Strategy C3.2: Partner with stakeholders to achieve greater community participation in recreational facilities and services.

### Financial / Resource Implications

Nil financial implications.

### Legislative Compliance

Local Government (Functions and General) Regulations 1996 Section 30.2(b).  
Dispositions of property excluded from Act s. 3.58.

(2) A disposition of land is an exempt disposition if —

(b) the land is disposed of to a body, whether incorporated or not —

(i) the objects of which are of a charitable, benevolent, religious, cultural, educational, recreational, sporting or other like nature; and

(ii) the members of which are not entitled or permitted to receive any pecuniary profit from the body's transactions

### Policy Implications

Shire of Northam Lease Policy A8.5:

#### 2.0 Not-for-profit Lease:

The basic principles considered in establishing a standard lease fee reflects a fair and equitable contribution of provision of a facility, the venue's pattern of use, location and the potential to obtain Community Grants assistance, as follows:-

- 2.1 The Shire levy an annual administration rent to all community, sport and recreation groups, that is not for an abovementioned community Hall, which is the equivalent amount of the building insurance applicable to the building and is reviewed annually.
- 2.2 Lessees or Licensees will be responsible for the full cost of the lease document preparation, registration and other costs associated with the execution of the agreement.

- 2.3 Lessees or Licensees must agree with Council to manage the “Demised Premises” on behalf of the community and to offer a service to the community that provides a net benefit.
- 2.4 The Lessee or Licensee will be responsible for the payment of outgoings, operating costs, and minor maintenance obligations.
- 2.5 The Lessee or Licensee will not be responsible for Shire Rates, apart from rubbish service rates.
- 2.6 The Shire will insure the “Demised Premises” at replacement value and perform any structural repairs, improvements and maintenance in accordance with levels determined within its budget forecast.
- 2.7 In the case of the Lessee or Licensee who leases a Council building and obtains approval to carry out extensions, alterations and/or additions, Council will insure the improvements as part of its insurance portfolio at replacement value.
- 2.8 The Lessee or Licensee will be responsible for contents insurance for their contents, and also hold public liability for their activities and workers compensation insurance for their employees (if applicable) to the value stipulated in the agreement.
- 2.9 The Lessee or Licensee will be responsible for the cost of repair of any internal damage, vandalism, corrective maintenance or damage to external doors, glass windows, security lighting and any other external facility through misuse by a club representative, member or guest. The Shire may carry out any corrective works and recoup the full cost from the Lessee.
- 2.10 The Lessee or Licensee will be responsible for keeping the building clean and tidy at levels predetermined within the agreement.
- 2.11 The Lessee or Licensee will not incur any costs for property damage excluding contents occasioned by fire, fusion, explosion, lightning, civil commotion, storm, tempest, or earthquake.
- 2.12 On an annual basis, Lessees and Shire representatives will meet to carry out a property inspection to determine the extent to which the Lessee or Licensee have met their lease/licence obligation and to consider any specified building maintenance schedules for the following twelve month period within the Shire’s budget parameters.

### **Stake Holder Engagement / Consultation**

- Saturday, 18<sup>th</sup> March 2017, West Australian
- Wednesday, 12<sup>th</sup> April 2017, Avon Valley & Wheatbelt Advocate
- Tuesday, 11<sup>th</sup> April 2017, thirty one community clubs were emailed the advice.
- The advertisement was also placed on the Shire Website and Facebook page.

### **Risk Implications**

Nil.

## OFFICER'S COMMENT

The Shire advertised the properties for lease and the advertisement closed on 17<sup>th</sup> April 2017. The Shire received three letters of interest in using the land, they were from:

1. Federals Football Club 30 March 2017;
2. Northam Country Club 10 April 2017; and
3. Railways Football Club 26 April 2017.

An officer from the Shire telephoned Railways Football Club and advised them that they were nine days outside of the closing time. Northam Country Club advised that they were not yet ready to lease the land and were just advising that they were interested at some stage in leasing some property. Therefore the only valid application was from Federals Football Club.

The recommendation is different to the previous decision of Council (two year lease as opposed to five years) because it related to the outcome of advertising of the land. As we have had a response by two other interested parties it is suggested that a two year lease may be appropriate with the land being advertised again for re-submission and the potential for other Clubs to have a two year term each.

## RECOMMENDATION

### That Council

- 1. Approve the lease between the Federals Football Club and the Shire of Northam for a portion of Lot 495 Trimmer Road and a portion of Lot 470 and 471 Great Eastern Highway for a period of 2 years in accordance with Policy A8.5 with the following conditions:**
  - a) All proceeds from agricultural pursuits belong to the Club and not an individual person, company or trust;**
  - b) The club is to pay the fee to draw up of the lease;**
  - c) A combined annual rental of \$2,000;**
  - d) any water rates payable during the term of the lease; and**
  - e) Both leases are subject to approval by the Minister of Lands**
- 2. Request the Chief Executive Officer to advertise 8 weeks prior to the conclusion of this 2 year lease for the expressions of interest from Community Clubs to lease Lot 470 and 471.**

#### 12.4.4 Fees and Charges 2017/18 Adoption

<b>Address:</b>	Internal Report
<b>Owner:</b>	Shire of Northam
<b>File Reference:</b>	8.2.8.1
<b>Reporting Officer:</b>	Colin Young Executive Manager Corporate Services
<b>Responsible Officer:</b>	Colin Young Executive Manager Corporate Services
<b>Voting Requirement</b>	Absolute Majority

#### BRIEF

For the Council to consider the schedule of fees and charges for the 2016/17 financial year.

#### ATTACHMENTS

Attachment 1: Schedule of Fees and Charges 2017/18.

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#### BACKGROUND / DETAILS

Council has adopted the annual schedule of fees and charges separately from the budget document in the past to enable more time to consider each proposed charge for the forthcoming year.

#### CONSIDERATIONS

##### Strategic Community / Corporate Business Plan

Objective G2: Improve organisational capability and capacity.

Strategy G2.3: Operate / manage organisation in a financially sustainable manner.

##### Financial / Resource Implications

Changes to proposed fees and charges will have an impact on the revenue collected for 2016/17. Anticipated revenue for each individual account will be fully disclosed upon budget adoption.

As required by section 6.17 of the act, the following was taken into account in determining the amount of a fee or charge for a service;

- (a) the cost to the local government of providing the service or goods;
- (b) the importance of the service or goods to the community; and
- (c) the price at which the service or goods could be provided by an alternative provider.

### Legislative Compliance

Section 6.16 to 6.19 of the WA Local Government Act (1995) governs the imposition of fees and charges.

Many of the fees and charges listed on the attachment are statutory charges and cannot be modified by the Council. They are included on the list to provide readers of the final budget document with a complete list of charges which the Council may levy.

### Policy Implications

Nil.

### Stakeholder Engagement / Consultation

Council staff.

### Risk Implications

Nil.

### OFFICER'S COMMENT

It is recommended that fees are increased on average by the previous 12 months Perth CPI figure which is 1% with some exceptions. Fees were also assessed to attain whether or not they reflected the true Council expenditure associated with the revenue. As part of the fee setting process further analyse was carried out on Kuringal Village during the setting of fees for 2016/17, Kuringal Village rental payments were increased for single aged care units from, \$170 to \$181 and Double from \$209 to \$232. This was based on the recommendations from the Department of Housing during a recent contract review with staff as per the extract presented below;

*Fixed rate, in line with the Section 5(a) of the Joint Venture Agreement which indicates that the rent should "...not exceed 110%, nor be less than 90% of the rent for the time being charged on a rent to income level by Homeswest...." as outlined in the table below:*

<b>Aged Pensioner Unit</b>	<i>Public Housing</i>	90%	110%
<b>2-bedroomed</b>	\$258.00 p/f*	\$232.20 p/f	283.80 p/f
<b>1 bedroomed</b>	\$202.00 p/f*	\$181.00 p/f	222.20 p/f

\*fortnightly rent amount

Initially it was recommended to increase the rental charge to the minimum of the range (90%), then increasing over the next 3 years at approximately 3.5% per year with the aim of by the 3<sup>rd</sup> year being equal to the rates charged by the Department of Housing (100%). As such single units have increased to \$187 and double units to \$240. The following table represents Council's budgeted subsidy for 2016/17;

<b>Kuringal village 2016/17</b>	
<b>Budgeted Profit &amp; Loss</b>	
	Total
Revenue	\$35,928
Operating Expenditure	-\$73,364
Capital Expenditure	-\$54,890
Less Non-Cash Items	\$40,013
<b>Total Subsidy</b>	<b>-\$52,313</b>

Swimming Pool Inspection Fees were also looked at to ensure the fee meet full cost recovery, pools are only required to be inspected under the act every four years as such fees have been set based on inspecting 25% of registered pools per annum with the workings resented in the table below;

<b>Swimming Pool Inspections</b>	<b>Unit</b>	<b>Rate</b>	<b>Direct Expense</b>
Number of pools	469		
Inspections per annum	117		
Labour	1.875	38.54	72.00
Vehicle Costs		1767	15.00
Other Costs			2.00
Total Cost per inspection			89.00
Total Cost per annum			10413.00
<b>Cost per pool per annum</b>			<b>22.00</b>
Current cost per annum			13.75
<b>Increase per annum</b>			<b>8.25</b>

Recreation fees and charges are currently being reviewed it is expected that the full review will be presented to Council at the Strategic Council meeting on the 24<sup>th</sup> of May 2017 for comment. However the following additions have been added as per Council resolutions, seniors and Junior's discount of 50%, C.2770, casual oval hire, C.3016 and Birthday parties, C.2938. Other minor changes have also been made where appropriate.

#### RECOMMENDATION

**That Council adopt the attached Schedule of Fees and Charges 2017/18 as presented in Attachment 1.**

**ABSOLUTE MAJORITY VOTE REQUIRED**

Attachment 1

SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>GENERAL PURPOSE FUNDING</b>					
<b>Rates</b>					
<b>Calculated Rate-in-Dollar (¢) Charge</b>					
GRV - Townsites and Other Areas within Old Shire Boundaries	Council	OOS	9.2982 cents in \$	updated budget adoption	03013003
GRV -Townsites Commercial, Industrial, Community	Council	OOS	10.2850 cents in \$	updated budget adoption	03013003
<b>Unimproved Value Area:</b>					
Agricultural Local	Council	OOS	0.5841 cents in \$	updated budget adoption	03013003
Agricultural Regional	Council	OOS	0.4840 cents in \$	updated budget adoption	03013003
Small Rural Landholdings	Council	OOS	0.6974 cents in \$	updated budget adoption	03013003
<b>Minimum Rate:</b>					
A minimum rate of per assessment is applied to areas throughout the Shire of Northam.	Council	OOS	\$890.00	updated budget adoption	03013003
<b>Penalty:</b>					
A penalty of 11% is applied where the instalment option has not been selected by the ratepayer and payment has not been received within 35 days of the date of the rate notice being issued or where an instalment remains unpaid. (FM Reg 19A)	Council	Input Taxed	11.00%	11.00%	03013033
<b>Rates by Instalment:</b>					
Administration Fee - per instalment ( FM Reg 67)	Statutory	OOS	\$10.00	\$10.00	03013053
Interest Charge ( FM Reg 68)	Statutory	Input Taxed	5.50%	5.50%	03013043
<b>ADMINISTRATION</b>					
(i) Copies of Agendas / Minutes - Annually	Council	OOS	\$142 pa + \$11.00 postage	\$145 pa + \$11.00 postage	04053033
(ii) Copies of Agendas / Minutes - Monthly (per set)	Council	OOS	\$17.00 + \$11.00 postage	\$17.00 + \$11.00 postage	04053033

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
(iii)	Rates Enquiry Fees	Council	OOS	\$95.00	\$95.00	03013063
	Combined Rates		OOS			
	Enquiry/Zoning/Orders			\$150.00	\$150.00	03013063
(iv)	Dishonoured Cheque Fee	Council	Yes	\$10.00 *	\$10.00 *	04053033
(v)	Photocopying - Black & White	Council	Yes	25c per A4 page *	25c per A4 page *	04053033
			Yes	\$1.10 per A3 page *	\$1.10 per A3 page *	04053033
(v)	Photocopying - Colour	Council	Yes	\$1.10 per A4 page *	\$1.10 per A4 page *	04053033
			Yes	\$3.30 per A3 page *	\$3.30 per A3 page *	04053033
(v)	Photocopying - Use of own paper	Council	Yes	\$0.20 cents per page *	\$0.20 cents per page *	04053033
(vi)	Electoral Rolls	Council	OOS	\$31.00	\$32.00	04053033
(vii)	GIS Maps	Council	Yes	\$1.35 per A4 page *	\$1.35 per A4 page *	04053033
(viii)	Property Listing - Hard Copy	Council	OOS	\$103.00	\$105.00	04053033
(ix)	Property Listing - CD Rom/Disk (Text Only)	Council	OOS	\$110.00	\$110.00	04053033
<b>Access to Council Documents</b>						
The following documents are available for public inspection at the Council Office, free of charge. Members of the public may purchase copies of these documents and the charges are shown.						
	- Council Agenda	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
	- Council Minutes	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
	- Policy Manual	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
	- Annual Financial Statements	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
	- Annual Report	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
	- Council Local Laws	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
	- Planning Applications (By Consent)	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
	- Planning Application Register	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
	- Building Application Register	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033



**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
- Register of Elected Members Allow & Benefits	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
- Register of Employees Sal/Wages & Benefits	Council	OOS	\$0.25 cents each page	\$0.25 cents each page	04053033
<b>Elections</b>					
(i) Local Government Elections - Nomination Fee (Elections Reg 26)	Statutory	OOS	As per regulations	As per regulations	TRUST - TYPE 4
<b>Freedom of Information Charges (set by Schedule 1 of the FOI Regulations 1993)</b>					
(i) Application fee	Statutory	OOS	\$30.00	\$30.00	04053023
(ii) Hourly charge to deal with application	Statutory	OOS	\$30.00	\$30.00	04053023
(iii) Photocopying	Council	OOS	20c copy	20c copy	04053023
(iv) Advance deposits	Council	OOS	25%	25%	04053023
(v) A further advance deposit which may be required by an agency under Section 18 (4) of the Act,	-	-	-	-	-
expressed as a percentage of estimated charges,	-	-	-	-	-
will be payable in excess of the application fee	Council	OOS	75%	75%	04053023
<b>LAW, ORDER AND PUBLIC SAFETY</b>					
<b>Fire Control</b>					
(i) Fire Prevention - Fines & Penalties	Statutory	OOS	Set by Regulation	Set by Regulation	05063003
(ii) Recovery/Admin fee	Statutory	OOS	\$15.00 per infringement	\$15.00 per infringement	05063003
(iii) Fines Enforcement Register		OOS			
- Final Demand	Statutory	OOS	\$13.50 (Set by Regulation)	\$13.50 (Set by Regulation)	05063003
- Enforcement Certificate	Statutory	OOS	\$11.50 (Set by Regulation)	\$11.50 (Set by Regulation)	05063003
- Registration Fee	Statutory	OOS	\$43.00 (Set by Regulation)	\$43.00 (Set by Regulation)	05063003
- Licence Suspension Order	Statutory	OOS	\$28.50 (Set by Regulation)	\$28.50 (Set by Regulation)	05063003
(iv) Fire Breaks Installation	Council	Yes	Cost recovery *	Cost recovery *	05063053
<b>Water Charges</b>					
(i) Supply of Standpipe Water	Council	GST Free	\$4.55 Per Kilolitre	\$4.6 Per Kilolitre	05063043

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
(ii)	Minimum charge for water taken from standpipes	Council	GST Free	\$11.00	\$11.00	05063043
	<b>Gate Permit</b>	Council		\$28.50 pa	\$28.50 pa	05073063
	<b>Rural Road Numbering</b>	Council		\$98.00 *	\$98.00 *	05083063
			Yes			
	<b>Animal Control DOGS</b>					
(i)	Replacement Dog Tags	Council	Yes	\$3.00 each	\$3.00 each	05073003
(ii)	Registration Fees - Dogs					
	- Sterilised Dog	Statutory	OOS	\$20.00 for 1 year	\$20.00 for 1 year	05073003
		Statutory	OOS	\$42.50 for 3 years	\$42.50 for 3 years	05073003
		Statutory	OOS	\$100 for Lifetime	\$100 for Lifetime	05073003
	- Unsterilised Dog	Statutory	OOS	\$50.00 for 1 year	\$50.00 for 1 year	05073003
		Statutory	OOS	\$120.00 for 3 years	\$120.00 for 3 years	05073003
		Statutory	OOS	\$250 for Lifetime	\$250 for Lifetime	05073003
	- Working Dog	Statutory	OOS	25% of registration fee	25% of registration fee	05073003
	(Definition of WORKING DOG is dog used for droving or caring for stock)					
	Registration after 31 May in any year, for that registration year	Council	OOS	50% of fee otherwise payable	50% of fee otherwise payable	05073003
	Dogs kept in an approved kennel establishment	Statutory	OOS	\$210 per establishment	\$200 per establishment	05073033
(iii)	Dangerous dog declaration administration fee	Council	OOS	\$105	\$105	05073033
	<b>FAILURE TO REGISTER A DOG MAY RESULT IN A \$200.00 PENALTY UNDER THE DOG ACT 1976</b>					
	<b>NB: New legislation for Seniors does not apply to dog registration fees.</b>					
	Pension Card Holders (Regulation 4(2))	Council	OOS	50% of fee	50% of fee	05073003
	- Definition of PENSIONER for concessional purposes is a person issued with a Pensioner					
	Health Benefit Card as follows:					
	- Aged Pension					
	- Invalid Pension					

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

SCHEDULE OF FEES AND CHARGES 2016/17 ADOPTED CHARGES					
FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
- Widowed Pension - Supporting Parents Pension - Carer's Pension					
<b>CATS</b>					
(i) Replacement Cat Tags	Council	Yes	\$3.00 each	\$3.00 each	05073103
Registration Fees - Cats	Statutory	OOS	\$20.00 for 1 year	\$20.00 for 1 year	05073103
	Statutory	OOS	\$42.50 for 3 years	\$42.50 for 3 years	05073103
- Pensioners	Statutory	OOS	\$21.25 for 3 years	\$21.25 for 3 years	05073103
	Statutory	OOS	\$100.00 for lifetime	\$100.00 for lifetime	05073103
- Pensioners	Statutory	OOS	\$50.00 for lifetime	\$50.00 for lifetime	05073103
Registration after 31 May in any year, for that registration year	Council	OOS	50% of fee otherwise payable	50% of fee otherwise payable	05073103
Annual Application for approval or renewal of approval to breed cats	Council	OOS	\$100 per cat	\$100 per cat	05073103
(ii) Licence Fees - Cats					
- Permit to keep 3 to 4 cats (Note: Council Approval Required)	Council	Yes	\$70.00*	\$70.00*	05073053
- Cattery Permit Licence to keep 5 or more cats p.a.	Council	OOS	\$62.50	\$63.00	05073053
- Cats kept in an approved kennel establishment	Statutory	OOS		\$200 per establishment	05073053
- Voluntary surrender of Cat fee	Council	Yes	\$25.00*	\$25.00*	05073053
<b>LAW, ORDER AND PUBLIC SAFETY (Continued)</b>					
<b>Animal Control (Continued)</b>					
(iii) Fines & Penalties - Dogs & Cats	Statutory	OOS	Set by Regulation	Set by Regulation	05073013
(iv) Recovery/Admin fee - Dogs & Cats	Council	OOS	\$21.00 per infringement	\$21.00 per infringement	05073013
(v) Fines Enforcement					
Issuing Final Demand	Statutory	OOS	\$14.65 (Set by Regulation)	\$14.65 (Set by Regulation)	05073013
Preparing Enforcement Certificate	Statutory	OOS	\$12.45 (Set by Regulation)	\$12.45 (Set by Regulation)	
Registration of Infringement Notice	Statutory	OOS	\$46.60 (Set by Regulation)	\$46.60 (Set by Regulation)	
(vi) Initial Kennel Licence - Bulk Kennel Licence (>6 dogs)	Council	OOS	\$210.00	\$200.00	05073033
(vii) Renewal Kennel Licence (>6 dogs) per establishment	Council	OOS	\$70.00	\$70.00	05073033

**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
(viii)	Call Out Fee - Pound Release etc	Council	Yes	\$205.00* (3hrs or part thereof)	\$205.00* (3hrs or part thereof)	05073023
		Council	Yes	\$82.00* (thereafter)	\$82.00* (thereafter)	05073023
(ix)	Processing of 3-6 Dog Application Fee	Council	Yes	\$70.00*	\$70.00*	05073013
(ix)	Transfer Kennel Licence - Bulk Kennel Licence (>6 dogs)	Council	Yes	\$70.00*	\$70.00*	05073033
	<b>Impounding - Ranger Fees</b>					
(i)	Impounding of rams, wethers, ewes, lambs, goats ( <i>After 6.00 am but before 6.00 pm</i> )					
	- 1 - 5 animals	Council	OOS	\$128.00	\$130.00	05073023
	- 6 - 10 animals	Council	OOS	\$161.00	\$165.00	05073023
	- over 10 animals	Council	OOS	\$208.00	\$210.00	05073023
(ii)	Impounding of rams, wethers, ewes, lambs, goats ( <i>After 6.00 pm but before 6.00 am</i> )					
	- 1 - 5 animals	Council	OOS	\$128.00	\$220.00	05073023
	- 6 - 10 animals	Council	OOS	\$275.00	\$280.00	05073023
	- over 10 animals	Council	OOS	\$382.00	\$360.00	05073023
(iii)	Impounding of horses, mules, asses, camels, bulls, boars, mares, geldings, colts, fillies, foals, oxen, cows, steers, heifers, calves or pigs ( <i>After 6.00 am but before 6.00 pm</i> )					
	- First Animal	Council	OOS	\$138.00	\$140.00	05073023
	<i>Initial charge same irrespective of impoundings</i>					
	- next 2 to 5 animals	Council	OOS	\$83.00	\$83.00	05073023
	- next 6 to 10 animals	Council	OOS	\$61.00	\$61.00	05073023
	- over 10 animals	Council	OOS	\$43.00	\$43.00	05073023
(iv)	Impounding of horses, mules, asses, camels, bulls, boars, mares, geldings, colts, fillies, foals, oxen, cows, steers, heifers, calves or pigs ( <i>After 6.00 pm but before 6.00 am</i> )					
	- First Animal	Council	OOS	\$208.00	\$210.00	05073023
	<i>Initial charge same irrespective of impoundings</i>					
	- next 2 to 5 animals	Council	OOS	\$131.00	\$132.00	05073023
	- next 6 to 10 animals	Council	OOS	\$73.00	\$75.00	05073023
	- over 10 animals	Council	OOS	\$59.00	\$60.00	05073023
(v)	TABLE OF POUNDAGE FEES FOR ANIMALS IMPOUNDED					

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
- Rams, wethers, ewes, lambs, goats (First 24 hours or part)	Council	OOS	\$6.40	\$7.00	05073023
- Rams, wethers, ewes, lambs, goats (Subsequent each 24 hours or part)	Council	OOS	\$5.30	\$6.00	05073023
- Horses, mules, asses, camels, bulls, boars, mares, geldings, colts, fillies, foals, oxen, cows, steers, heifers, calves or pigs (First 24 hours or part)	Council	OOS	\$16.00	\$16.00	05073023
- Horses, mules, asses, camels, bulls, boars, mares, geldings, colts, fillies, foals, oxen, cows, steers, heifers, calves or pigs (Subsequent each 24 hours or part)	Council	OOS	\$16.00	\$16.00	05073023
(vi) Cat Impound Fees					
- Impounding/Release fees	Council	OOS	\$113.00	\$115.00	05073023
- Sustenance Fee per day - per cat	Council	OOS	\$10.00	\$10.00	05073023
(vii) Cat/Possum Trap Hire deposit bond	Council	OOS	\$100.00	\$100.00	TRUST
(viii) Cat/Possum Trap Hire Fee	Council	Yes	\$6.00* per week	\$6.00* per week	05073043
(ix) Cat sterilisation voucher (depending on availability)	Council	Yes	\$50.00	\$50.00	05073043
(xi) Dog Impound Fees					
- Impounding/Release fees	Council	Yes	\$113.00*	\$115.00	05073023
- Sustenance Fee per day - per dog	Council	OOS	\$10.00	\$10.00	05073023
(xii) Voluntary surrender and or destruction/disposal of dog	Council	Yes	\$26.00*	\$26.00*	05073023
(xiii) Table of Sustenance Charges of Animals Impounded					
- Rams, wethers, ewes, lambs, goats and pigs horses, camels, oxen, bulls, cows, steers, and heifers per day, per animal.	Council	OOS	\$35.00 daily/per animal	\$35.00 daily/per animal	05073023
<b>Vehicle Impound Fees</b>					
(i) Ranger Fee	Council	OOS	\$138.00	\$140.00	05083083
(ii) Towing expenses as per service	Council	OOS	Cost Recovery	Cost Recovery	05083083
(iii) Per day impound fee	Council	OOS	\$16.00	\$16.00	05083083

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

SCHEDULE OF FEES AND CHARGES 2016/17 ADOPTED CHARGES					
FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>Shopping Trolleys</b>					
(i) Trolley to Release	Council	Yes	\$25.00*	\$25.00*	05083083
(ii) Day in Pound	Council	Yes	\$10.00*	\$10.00*	05083083
(iii) Admin Fee	Council	Yes	\$25.00*	\$25.00*	05083083
<b>HEALTH</b>					
<b>Health Inspection &amp; Licence Fees</b>					
<b>i) Food Business</b>					
<b>Notification</b> (fees set by Food Act 2008)					
- Exempt* (i) - Charitable	Council	OOS	No Fee	No Fee	
- Exempt* (ii) - Prepackaged	Council	OOS	\$60.00 pa	No Fee	07143003
- All Others (except Food Stalls at events and markets are exempt from fees - notification form and registration still required)	Council	OOS	\$60.00 pa	\$60.00 pa	07143003
<b>Registration</b>					
- Low Risk ***	Council	OOS	\$115.00	\$115.00	07143003
- Medium Risk***	Council	OOS	\$205.00	\$205.00	07143003
- High Risk***	Council	OOS	\$285.00	\$285.00	07143003
<b>Application</b>					
- Establish New Food Business Premises (other than supermarket)	Council	OOS	\$230.00	\$230.00	07143003
- Establish New Supermarket Premises	Council	OOS	\$1,150.00	\$1,150.00	07143003
- Mobile Food Vendor	Council	OOS	\$175.00 pa	\$175.00 pa	07143003
- Alter Existing Food Business Premises (other than supermarket)	Council	OOS	\$175.00 pa	\$175.00 pa	07143003
- Alter Existing Supermarket Premises	Council	OOS	\$925.00 pa	\$925.00 pa	07143003
<b>*Exempt Food Business is a Food Business:-</b>					
i) in which 100% of profits go for community or charitable causes, staff or contractors are not paid and the food is cooked and presented for immediate consumption or is not potentially hazardous food.					
ii) that sell only pre-packaged non-potentially hazardous food (eg: newsagents selling pre-packaged confectionary or hairdressers serving tea/coffee in connection with another service).					

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

SCHEDULE OF FEES AND CHARGES 2016/17 ADOPTED CHARGES					
FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<p>*** Risk rating as per Classification for Temporary or Mobile Food Businesses assessed by Shire's Health Services.</p> <p><b>Food Business Accreditation and Auditing</b></p> <ul style="list-style-type: none"> <li>- Application for Food Safety Program Accreditation (Shire Northam Health Department Auditor)</li> <li>- Application for Food Safety Program Accreditation (applicants provides written advice from an approved third party auditor)</li> <li>- Application for Amendment to a Accredited Food Safety Program</li> <li>- Consideration of Susequent Additional Written Advice</li> </ul> <p><b>Animal Food Processing Premises/ Retail Pet Meat Shops</b></p> <ul style="list-style-type: none"> <li>- Notification Fee (fees set by Food Act 2008)</li> </ul>	Council	OOS	\$338.00 pa	\$340.00 pa	07143003
	Council	OOS	\$115.00 pa	\$115.00 pa	07143003
	Council	OOS	\$115.00 pa	\$115.00 pa	07143003
	Council	OOS	\$52.00 pa	\$55.00 pa	07143003
ii)	Council	OOS	\$61.00 pa	\$62.00 pa	07143003
iii)					
	Council	OOS	\$25.50 pa	\$26.00 pa	07143003
	Council	OOS	\$5.00 pa	\$5.00 pa	07143003
iv)					
	Council	OOS	\$52.00 pa	\$55.00 pa	07143003
v)					
	Council	OOS	\$52.00 pa	\$55.00 pa	07143003
vi)					
	Council	OOS	\$113.00 pa	\$115.00 pa	07143003
<b>HEALTH (continued)</b>					
vii)					
	Statutory	OOS	\$220.00 per application #	\$220.00 per application #	07143003
	Statutory	OOS	\$200.00 per licence #	\$200.00 per licence #	
	Statutory	OOS	\$6.00 per site #	\$6.00 per site #	07143003
	Statutory	OOS	\$6.00 per site #	\$6.00 per site #	07143003
	Statutory	OOS	\$3.00 per site #	\$3.00 per site #	07143003
	Statutory	OOS	\$1.50 per site #	\$1.50 per site #	07143003

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

SCHEDULE OF FEES AND CHARGES 2016/17 ADOPTED CHARGES					
FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
- Licence Renewal After Expiry	Statutory	OOS	\$20.00	\$20.00	07143003
- Temporary Licence - Pro-rata of application fee with minimum	Statutory	OOS	\$100.00 per application #	\$100.00 per application #	07143003
- Transfer of Licence	Statutory	OOS	\$100.00 per application #	\$100.00 per application #	07143003
<i>#Fees are set by the Caravan Parks and Camping Grounds Regulations 1997.</i>					
(viii) <b>Temporary Accommodation</b>					
- Application Temporary Accommodation (up to 12 Consecutive Months)	Statutory	Yes	\$178	\$180	
(ix) <b>Offensive Trades</b>					
- Tannery Licence	Statutory	OOS	\$298.00 pa #	\$298.00 pa #	07143003
- Piggery Licence	Statutory	OOS	\$298.00 pa #	\$298.00 pa #	07143003
- Slaughterhouse Licence	Statutory	OOS	\$298.00 pa #	\$298.00 pa #	07143003
- Knackery Licence	Statutory	OOS	\$298.00 pa #	\$298.00 pa #	07143003
- Laundry/ Drycleaning Establishment Licence	Statutory	OOS	\$147.00 pa #	\$147.00 pa #	07143003
- Bone Mill Licence	Statutory	OOS	\$171.00 pa #	\$171.00 pa #	07143003
- Blood Drying	Statutory	OOS	\$171.00 pa #	\$171.00 pa #	07143003
- Any other Offensive Trade Licence not specified in regulations	Statutory	OOS	\$298.00 pa #	\$298.00 pa #	07143003
<i>#Fees are set under the Health (Offensive Trades Fees) Regulations 1997</i>					
- Application for Permit ( <i>Up to 12 consecutive months</i> )	Council	OOS	\$160.00 per application	\$156.00 per application	07143003
<b>Health Inspection &amp; Licence Fees (Continued)</b>					
(x) <b>Stallholders Application</b>					
- Application Not- for-Profit / Charitable Organisations*	Council	OOS	No Fee	No Fee	
- <del>Application Food Stallholders **</del>	Council	OOS	\$36.00 per application	\$36.00 per application	7143003
- Application for Stallholders ( <i>other than above</i> )	Council	OOS	\$36.00 per application	\$36.00 per application	7143003
- Public Liability Cover	Council	OOS	\$12.00 per stall/per day	\$12.00 per stall/per day	
<b>Permit- (includes Food Stallholders)</b>					
- Daily ( <i>1 day-includes Food Stallholders</i> )	Council	OOS	\$25.50 per stall per day	\$26.00 per stall per day	07143003
- Weekly ( <i>7 consecutive days-includes Food Stallholders</i> )	Council	OOS	\$142.00 per stall per week	\$143.00 per stall per week	07143003



**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
- Monthly (30 consecutive days- includes Food Stallholders)	Council	OOS	\$255.00 per stall per month	\$255.00 per stall per month	07143003
- Annual (365 consecutive days- includes Food Stallholders)	Council	OOS	\$1220.00 per stall per pa	\$1220.00 per stall per pa	07143003
- Charitable & Not-for-Profit Organisations (includes Food Stalls)	Council	OOS	No Fee (Permit still required)	No Fee (Permit still required)	07143003
<del>Special Events – Avon River Festival Food Stallholder</del>	<del>Council</del>	<del>OOS</del>	<del>\$100.00 per stall per day</del>	<del>\$100.00 per stall per day</del>	<del>07143003</del>
Blanket Stallholders for Single Event (group permit application with one single fee for multiple stalls at a single event)	Council	OOS	\$155.00 per application per event	\$160.00 per application per event	07143003
Blanket Stallholders for Recurring Approved Markets*** (group permit application with one single fee for multiple nominated market days)	Council	OOS	\$155.00 per application per annum	\$160.00 per application per annum	07143003
* not-for-profit organisations are those in which 100% of profits are for community or charitable causes and staff or contractors are not paid.					
** food stallholders other than 'Exempted Food Businesses" are required to have a current "Food Business Registration Certificate".					
*** Northam Lions Club Inc, Northam Farmers Market					
<b>HEALTH H (continued)</b>					
xi) <b>Street Trader (Trader)</b>					
<b>Application</b>					
- Application Not- for-Profit / Charitable Organisations*	Council	OOS	No Fee	No Fee	
- Application <u>Food</u> Traders **	Council	OOS	\$36.00 per application	\$36.00 per application	07143003
- Application all other than the above Traders	Council	OOS	\$36.00 per application	\$36.00 per application	07143003
<b>Permit (includes Food Stallholders)</b>					
- Daily (1 day)	Council	OOS	\$25.50 per day	\$26.00 per day	07143003
- Weekly (7 consecutive days)	Council	OOS	\$72.00 per week	\$143.00 per week	07143003
- Monthly (30 consecutive days)	Council	OOS	\$130.00 per month	\$255.00 per month	07143003
- Annual (365 consecutive days)	Council	OOS	\$1,220.00 per pa	\$1,220.00 per pa	07143003
*not-for-profit organisations are those in which 100% of profits are for community or charitable causes and staff or contractors are not paid.					
** food street traders other than 'Exempted Food Businesses" are					

**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
(xii)	<i>required to have a current "Food Business Registration Certificate".</i> <b>Street Entertainers (Busker) Application</b> - Application Fee ( <i>applies to all Street Entertainers applications</i> ) <b>Permit</b> - Daily (1 day) - Weekly (7 consecutive days) - Monthly (30 consecutive days) - Annual (365 consecutive days)	Council	OOS	No Charge	No Charge	07143003
		Council	OOS	\$25.50 per day	\$26.00 per day	07143003
		Council	OOS	\$72.00 per week	\$143.00 per week	07143003
		Council	OOS	\$130.00 per month	\$255.00 per month	07143003
		Council	OOS	\$1,220.00 per pa	\$1,220.00 per pa	07143003
(xiii)	<b>Sign Licence Permit</b> - Portable Signs on Thoroughfares	Council	OOS	\$32.00 per annum	\$35.00 per annum	07143003
(xiv)	<b>Effluent Disposal</b> - Application and Permit to Use	Statutory	OOS	\$236.00 per application #	\$236.00 per application #	10273013
	<i>#Fees are set under the Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations 1974.</i>					
(xv)	<b>Public Building/Events</b> - Assessment - Public Building/Event - Low/Medium Risk - Assessment - Public Building/Event - High Risk - Assessment - Alteration to Existing Public Building <i>#Fees are based on the Health (Public Building) Regulations 1993.</i>	Statutory	OOS	\$154.00 per application #	\$154.00 per application #	07143003
		Statutory	OOS	\$871.00 (Max) per application #	\$871.00 (Max) per application #	07143003
		Statutory	OOS	\$102.00 per application #	\$102.00 per application #	07143003
(xvi)	<b>Environmental Health Service Provision</b> - Compliance / Administration - Other Local Governments	Statutory	Yes	\$123.00* per hour #	\$125.00* per hour #	07143013
		Statutory	Yes	\$123.00* per hour #	\$125.00* per hour #	07143013
(xvii)	<b>Liquor Licencing</b> - Section 39 Request	Council	OOS	\$52.00 per application	\$55.00 per application	07143003
<b>WELFARE</b>						
<i>Killara</i>						
<i>(a) Fees set in accordance with HaCC guidelines</i>						
<b>Client attendance fees</b>						

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
Level one: a pension income only or an annual income of up to \$50,000 (single) or up to \$80,000 (couple)	Council	OOS	Day Care \$8.00 per service day centre Respite \$8.00 per service Social Support \$8.00 per service Fee cap \$64.00 pw	Day Care \$8.00 per service day centre Respite \$8.00 per service Social Support \$8.00 per service Fee cap \$64.00 pw	08171033 - HACC 08173033 - HSCP
Level two: Non pensioner - an annual income more than \$50,001 (single) or more than \$80,001 (couple)	Council	OOS	Day Care \$15.00 per service Day Day centre Respite \$15.00 per service Social Support \$15.00 per service # Fee cap \$154.00 pw	Day Care \$15.00 per service Day Day centre Respite \$15.00 per service Social Support \$15.00 per service # Fee cap \$154.00 pw	08171033 - HACC 08173033 - HSCP
Client referred from workers compensation, insurance claims etc.	Council	Yes	Fee is full cost recovery*	Fee is full cost recovery*	08171033 - HACC 08173033 - HSCP
<b>(b) Fees &amp; Charges for Killara Centre Services</b>					
<b>(i) Meal costs</b>					
Full day (Morning Tea & Lunch)	Council	OOS	\$10.00	\$10.00	08171043 - HACC 08173043 - HSCP
Morning Tea only with half day attendance	Council	OOS	\$5.50	\$5.50	08171043 - HACC 08173043 - HSCP
Afternoon Tea & Dinner	Council	OOS	\$10.50	\$10.50	08171043 - HACC 08173043 - HSCP
Breakfast	Council	OOS	\$6.00	\$6.50	08171043 - HACC 08173043 - HSCP
<b>(ii) Transportation Fee</b>					
HaCC - Centre based day care or group bus/vehicle transport	Council	OOS	\$2.50 per one way trip	\$2.50 per one way trip	08171073 - HACC 08173053 - HSCP
Up to 10 kms	Council	OOS	\$5.00 per one way trip	\$5.00 per one way trip	08171073 - HACC 08173053 - HSCP
11 kms to 30 kms	Council	OOS	\$8.00 per one way trip	\$8.00 per one way trip	08171073 - HACC 08173053 - HSCP

**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
31 kms to 60 kms	Council	OOS	\$10.00 per one way trip	\$10.00 per one way trip	08171073 - HACC 08173053 - HSCP
61 kms to 99 kms	Council	OOS	\$15.00 per one way trip	\$15.00 per one way trip	08171073 - HACC 08173053 - HSCP
Overnight respite or other non HaCC service - full cost recovery	Council	OOS	Full cost Recovery	Full cost Recovery	
<b>(i) Personal Care and Respite</b>					
Day: 6am - 6pm	Council		\$47.00 per hour	\$47.00 per hour	08173093
Evening: 6pm - 6am	Council		\$47.00 per hour	\$47.00 per hour	08173093
Weekend:	Council		\$52.00 per hour	\$52.00 per hour	08173093
Public Holidays: (Min. 4 hours)	Council		\$52.00 per hour	\$52.00 per hour	08173093
* A minimum of time of 2 hours is provided, however shorter periods can be negotiated under special circumstances					
* A minimum time of 4 hours is required for public holidays					
* 24-hours notice is required in regard to the cancellation of services and a fee may apply if the required notice is not given.					
<b>(ii) Social Support</b>					
Day: 6am - 6pm	Council		\$47.00 per hour	\$47.00 per hour	08173093
Evening: 6pm - 6am	Council		\$47.00 per hour	\$47.00 per hour	08173093
Weekend:	Council		\$52.00 per hour	\$52.00 per hour	08173093
Public Holidays: (Min. 4 hours)	Council		\$52.00 per hour	\$52.00 per hour	08173093
<b>HOUSING</b>					
Kuringal Village Aged Accommodation Units- Wundowie:					
- Single (per fortnight) - Single bedroom Unit	Council	Input Taxed	\$181.00	\$187.00	09243003
- Couple (per fortnight) -Double bedroom Unit	Council	Input Taxed	\$232.00	\$240.00	09243003
Electricity (paid direct to Western Power).					09243033
Water (Shire of Northam invoiced and costs billed to occupants)					09243033
<b>COMMUNITY AMENITIES</b>					

**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>Refuse Removal (Sanitation Collection Charges)</b>						
<b>a) Residential Refuse Removal</b>						
(i)	240L Residential Mobile Garbage Bin - Per Service (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$161.00 per annum (weekly)	\$163.00 per annum (weekly)	10253003
(ii)	240L Residential Mobile Recycling Bin - Per Service (Rubbish Removal Service Charge)	Council	OOS	\$86.00 per annum (fortnightly)	\$87.00 per annum (fortnightly)	10253113
(iii)	240L Residential Mobile Recycling Bin - Pensioners (Recycling Rubbish Removal Service Charge)	Council	OOS	\$66.00 per annum (fortnightly)	\$66.00 per annum (fortnightly)	10253113
<b>b) Commercial Refuse Removal</b>						
(i)	240L Commercial Mobile Garbage Bin (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$161.00 per annum (weekly)	\$163.00 per annum (weekly)	10253043
(ii)	240L Commercial Mobile Recycling Bin (Recycling Rubbish Removal Service Charge)	Council	OOS	\$86.00 per annum (fortnightly)	\$87.00 per annum (fortnightly)	10253113
(iii)	1500L Commercial Mobile Garbage Bin - First Service (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$994.00* per annum (weekly)	\$1,000.00* per annum (weekly)	10253113
(iv)	1500L Commercial Mobile Garbage Bin - First Service (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$497.00* per annum (fortnightly)	\$500.00* per annum (fortnightly)	10253113
(v)	<del>1500L Commercial Mobile Garbage Bin - Additional Service (Compulsory Rubbish Removal Service Charge)</del>	<del>Council</del>	<del>OOS</del>	<del>\$994.00* per annum (weekly)</del>	<del>\$1,000.00* per annum (weekly)</del>	<del>10253113</del>
(vi)	1500L Commercial Mobile Recycling Bin - Additional Service	Council	OOS	\$1083.00* per annum (fortnightly)	\$1100.00* per annum (fortnightly)	10253043
(vii)	3000L Commercial Mobile Garbage Bin - First Service (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$1983.00* per annum (weekly)	\$2000.00* per annum (weekly)	10253043
(viii)	3000L Commercial Mobile Garbage Bin - First Service (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$994.00* per annum (fortnightly)	\$1,000.00* per annum (weekly)	10253043
(ix)	<del>3000L Commercial Mobile Garbage Bin - Additional Service (Compulsory Rubbish Removal Service Charge)</del>	<del>Council</del>	<del>OOS</del>	<del>\$1983.00* per annum (weekly)</del>	<del>\$2000.00* per annum (weekly)</del>	<del>10253043</del>
(x)	3000L Commercial Mobile Recycling Bin - Additional Service	Council	OOS	\$2165.00* per annum (fortnightly)	\$2200.00* per annum (fortnightly)	10253043
(xi)	4500L Commercial Mobile Garbage Bin - First Service (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$2984.00* per annum (weekly)	\$3000.00* per annum (weekly)	10253043
(xiii)	4500L Commercial Mobile Garbage Bin - First Service (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$1435.00* per annum (fortnightly)	\$1500.00* per annum (fortnightly)	10253043
(xiv)	<del>4500L Commercial Mobile Garbage Bin - Additional Service (Compulsory Rubbish Removal Service Charge)</del>	<del>Council</del>	<del>OOS</del>	<del>\$2984.00* per annum (weekly)</del>	<del>\$3000.00* per annum (weekly)</del>	<del>10253043</del>

**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
(xv)	4500L Commercial Mobile Recycling Bin - Additional Service (Compulsory Rubbish Removal Service Charge)	Council	OOS	\$3250.00* per annum (fortnightly)	\$3300.00* per annum (fortnightly)	10253043
(xvi)	Additional Once-off Rubbish Collection Services (services on-charged to resident/business)	Council	Yes	At Cost	At Cost	10253043
<b>Landfill Site Waste Disposal Charges</b>						
<b>a)</b>	<b>Inkpen Road Landfill Site - Waste Disposal Charges</b>					
(i)	Domestic Waste from the Shire of Northam Residents Cars, Utilities, Vans and Trailers (not exceeding 2.4m x 1.2m x 1.0 m) Tip pass must be <b>produced</b> by any person entitled to the pass	Council	Yes	No Charge (Maximum 10 disposals per year plus unlimited clean green waste disposals) <b>No Pass-Pay As Indicated Below</b>	No Charge (Maximum 10 disposals per year plus unlimited clean green waste disposals) <b>No Pass-Pay As Indicated Below</b>	10253023
(ii)	Domestic Waste from Outside of the Shire of Northam or Volumes of Domestic Waste Exceeding 2.4m x 1.2m 1.0m	Council	Yes	\$56.00 per m <sup>3</sup> \$29.00 Min Charge	\$60.00 per m <sup>3</sup> \$30.00 Min Charge	10253023
(iii)	Commercial/Industrial Waste	Council	Yes	\$56.00 per m <sup>3</sup> \$29.00 Min Charge	\$60.00 per m <sup>3</sup> \$30.00 Min Charge	10253023
(iv)	Environmental Protection Landfill Levy (Mandatory fee applies to all waste received from the metropolitan areas unless exempted under the Environmental Protection Amendment Regulations 2006) #Fees are set under the Environmental Protection Regulations 1987.	Council	Yes	Levy = (Weight X 92%) X \$66 per tonne (\$66.00 inc GST) #	Levy = (Weight X 92%) X \$65 per tonne (\$71.50 inc GST) #	10253103
(v)	Unadulterated Building Rubble (includes brick, concrete, rock, soil, greenwaste) (At the discretion of the gate house attendant)	Council	Yes	\$27.00 per m <sup>3</sup> \$17.00 Min Charge	\$20.00 per m <sup>3</sup> \$17.00 Min Charge	10253023
(vi)	Unadulterated Building Rubble (includes brick, concrete, rock, soil, greenwaste) (Subject to weighbridge certificate being provided)	Council	Yes	\$30.00 per tonne	\$30.00 per tonne	10253023
(vii)	Asbestos (includes digging hole and burial, rounded up to full m <sup>3</sup> )	Council	Yes	\$56.00 per m <sup>3</sup>	\$60.00 per m <sup>3</sup>	10253023
(viii)	Disposal of Animals					
	- Small (cat or dog)	Council	Yes	\$8.00 each	\$10.00 each	10253023
	- Medium (pig, sheep, alpaca, calf, foal, ostrich, emu)	Council	Yes	\$15.00 each	\$15.00 each	10253023
	- Large (cow or horse)	Council	Yes	\$25.00 each	\$25.00 each	10253023

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>COMMUNITY AMENITIES (Continued)</b>						
<b>Landfill Site Waste Disposal Charges (continued)</b>						
(ix)	Disposal of Car Bodies	Council	Yes	No Charge	No Charge	10253023
(x)	Tyres					
	- Passenger Tyres	Council	Yes	\$5.00 Per Tyre	\$5.00 Per Tyre	10253023
	- Light truck Tyres	Council	Yes	\$6.00 Per Tyre	\$6.00 Per Tyre	10253023
	- Truck Tyres	Council	Yes	\$15.00 Per Tyre	\$15.00 Per Tyre	10253023
	- Super Single Tyres	Council	Yes	\$17.00 Per Tyre	\$17.00 Per Tyre	10253023
	- Tractor Tyre < 1 metre	Council	Yes	\$20.00 Per Tyre	\$20.00 Per Tyre	10253023
	- Tractor Tyre > 1 metre	Council	Yes	\$40.00 Per Tyre	\$40.00 Per Tyre	10253023
	- Earthmoving/Other Large Tyres	Council	Yes	Cost of Recycling plus 10% handling & administration fee	Cost of Recycling plus 10% handling & administration fee	10253023
(xi)	Waste Oil					
	- Motor Oil >30 Litres	Council	Yes	\$0.25 Per Litre	\$0.25 Per Litre	10253023
(xii)	Special Burials (including fiber glass insulation, abbatior, clinical and any other waste)	Council	Yes	\$56.00 per m <sup>3</sup> \$29.00 Min Charge	\$60.00 per m <sup>3</sup> \$30.00 Min Charge	10253023
(xiii)	Commercial/Industrial Waste ( <i>Subject to weighbridge certificate being provided</i> )	Council	Yes	\$56.00 Per Tonne \$29.00 Min Charge	\$60.00 Per Tonne \$30.00 Min Charge	10253023
(xiv)	Commercial Recycling Drop-Off	Council	Yes	\$60.00 per m <sup>3</sup> \$16.00 min charge	\$60.00 per m <sup>3</sup> \$16.00 min charge	10253023
<b>Landfill Site Waste Disposal Charges (Continued)</b>						
<b>b)</b>	<b>Old Quarry Road Landfill Site - Waste Disposal Charges</b>					
(i)	Domestic Waste from the Shire of Northam Residents Cars, Utilities, Vans and Trailers (not exceeding 2.4m x 1.2m x 1.0 m) Tip pass must be <b>produced</b> by any person entitled to the pass	Council	Yes	No Charge ( <i>Maximum 10 disposals per year plus unlimited clean green waste disposals</i> ) <b>No Pass-Pay As Indicated Below</b>	No Charge ( <i>Maximum 10 disposals per year plus unlimited clean green waste disposals</i> ) <b>No Pass-Pay As Indicated Below</b>	10253033
(ii)	Domestic Waste from Outside of the Shire of Northam or Volumes of Domestic Waste Exceeding 2.4m x 1.2m 1.0m	Council	Yes	\$56.00 Per Tonne \$29.00 Min Charge	\$60.00 Per Tonne \$30.00 Min Charge	10253013
(iii)	Commercial/Industrial Waste	Council	Yes	\$56.00 Per Tonne \$29.00 Min Charge	\$60.00 Per Tonne \$30.00 Min Charge	10253033

**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
(iv)	Environmental Protection Landfill Levy (Mandatory fee applies to all waste received from the metropolitan areas unless exempted under the Environmental Protection Amendment Regulations 2006)	Council	Yes	Levy = (Weight X 92%) X \$66.00 per tonne (\$66 inc GST)# *	Levy = (Weight X 92%) X \$65.00 per tonne (\$71.50 inc GST)# *	10253103
(v)	Unadulterated Building Rubble (brick, concrete, rock, soil, greenwaste) (At the discretion of the gate house attendant)	Council	Yes	\$30.00 Per Tonne \$17.00 Min Charge	\$35.00 Per Tonne \$20.00 Min Charge	10253033
(vii)	Asbestos (includes digging hole and burial, rounded up to full m <sup>3</sup> )	Council	Yes	\$88.00 Per Tonne	\$90.00 Per Tonne	10253033
(viii)	Disposal of Animals	Council				
	- Small (cat or dog)	Council	Yes	\$8.00 each	\$10.00 each	10253033
	- Medium (pig, sheep, alpaca, calf, foal, ostrich, emu)	Council	Yes	\$15.00 each	\$15.00 each	10253033
	- Large (cow or horse)	Council	Yes	\$25.00 each	\$25.00 each	10253033
(ix)	Disposal of Car Bodies	Council	Yes	No Charge	No Charge	10253033
(x)	Tyres					
	- Passenger Tyres	Council	Yes	\$5.00 Per Tyre	\$5.00 Per Tyre	10253033
	- Light truck Tyres	Council	Yes	\$6.00 Per Tyre	\$6.00 Per Tyre	10253033
	- Truck Tyres	Council	Yes	\$15.00 Per Tyre	\$15.00 Per Tyre	10253033
	- Super Single Tyres	Council	Yes	\$17.00 Per Tyre	\$17.00 Per Tyre	10253033
	- Tractor Tyre < 1 metre	Council	Yes	\$20.00 Per Tyre	\$20.00 Per Tyre	10253033
	- Tractor Tyre > 1 metre	Council	Yes	\$40.00 Per Tyre	\$40.00 Per Tyre	10253033
	- Earthmoving/Other Large Tyres	Council	Yes	Cost of Recycling plus 10% handling & administration fee	Cost of Recycling plus 10% handling & administration fee	10253033
(xi)	Waste Oil					
	- Motor Oil >30 Litres	Council	Yes	\$0.25 Per Litre	\$0.25 Per Litre	10253033
(xii)	Special Burials (including fiber glass insulation, clinical and any other waste)	Council	Yes	\$88.00 Per Tonne \$50.00 Min Charge	\$90.00 Per Tonne \$50.00 Min Charge	10253033
(xiii)	Septage Pond Liquid Waste Disposal	Council	Yes	\$0.062 Per Litre	\$0.065 Per Litre	10263013
(xiv)	Commercial Recycling Drop-Off	Council	Yes	\$160.00 per tonne\$16 min charge	\$160.00 per tonne\$16 min charge	10263013
<b>COMMUNITY AMENITIES (Continued)</b>						
<b>Town Planning</b>						
(i)	Development/Subdivision Contributions					



**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>Residential Zoned Lot (applicable to Residential Design Codes)</b> 1-5 lots	Council	OOS	\$1,500.00 per lot	\$1,500.00 per lot	10303003
More than 5 lots	Council	OOS	As per endorsed Development Contribution Plan	As per endorsed Development Contribution Plan	10303003
<b>All Other Zone Property</b>	Council				
1-5 lots	Council	OOS	\$1,000.00 per lot	\$1,000.00 per lot	10303003
More than 5 lots	Council	OOS	As per endorsed Development Contribution Plan	As per endorsed Development Contribution Plan	10303003
(ii) <b>Development Applications</b>					
Determination of development application (other than for an extractive industry) where the estimated cost of development is -					
- Not more than \$50,000		OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009 and if development commenced or carried out twice the amount of the fee payable	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009 and if development commenced or carried out twice the amount of the fee payable	10303003
	Statutory				
- more than \$50,000 but not more than \$500,000	Statutory	OOS	""	""	10303003
- more than \$500,000 but not more than \$2.5 million	Statutory	OOS	""	""	10303003
- more than \$2.5 million but not more than \$5 million	Statutory	OOS	""	""	10303003
- more than \$5 million but not more than \$21.5 million	Statutory	OOS	""	""	10303003
- more than \$21.5 million	Statutory	OOS	" "	" "	10303003
Determination of development application for an extractive industry		OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
	Statutory				
Determining a development application for an extractive industry where the development has commenced or been carried out.		OOS	The fee in item 3 plus, by way of penalty, twice that fee.	The fee in item 3 plus, by way of penalty, twice that fee.	10303003
Request for minor amendment of an approved development under \$500,000 value	Statutory	OOS	\$50.00	\$50.00	10303003
Request for major amendment to an approved development over \$500,000	Statutory	OOS	50% of regular fee with a minimum of \$103.00	50% of regular fee with a minimum of \$103.00	10303003

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
(iii)	Preliminary comments on proposals prior to formal lodgement. <b>Variation of Residential Design codes and Shire Local Planning Policy</b> Where the estimated cost of the development is	Council	OOS	\$50.00	\$50.00	10303003
	- Not more than \$50,000	Council	OOS	\$144.00	\$147.00	10303003
	- More than \$50,000	Council	OOS	\$287.00	\$300.00	10303003
(iv)	Provision of Subdivision clearance - Up to 5 lots	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
	- 6 to 195 lots	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
	- More than 195 lots	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
(v)	Application for approval of Home occupation / business / cottage industry - Initial Fee	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
	- Renewal Fee	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
(vi)	Application for change of use of for alteration or extension or change of a non-conforming use to which item 1 does not apply	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>COMMUNITY AMENITIES (Continued)</b>						
<b>Town Planning (Continued)</b>						
(vii)	Issue of Zoning Certificate (Orders/Zone Enquiry)	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
(viii)	Reply to a property settlement questionnaire	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
(ix)	- (Combined Orders/Zoning/Rates Enquiry) Issue of written planning advice	Statutory	OOS	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	\$ As per the maximum fee prescribed under the Planning and Development Regulation 2009.	10303003
(x)	Section 40 (Liquor Licensing) request	Statutory	OOS	\$51.00	\$51.00	10303033
(xi)	Advertising Costs (All applications)					
	- Letters of Consultation	Council	Yes	\$134.00 *	\$135.00 *	10303013
	- Onsite Sign	Council	Yes	\$134.00 *	\$135.00 *	10303013
	- Newspaper Advertisement	Council	Yes	Advertising Cost *	Advertising Cost *	10303013
	<b>Sign Application</b>					
	Signage less than or equal 4m <sup>2</sup>	Council	OOS	\$52.00	\$55.00	10303033
	Signage greater than 4m <sup>2</sup>	Council	OOS	\$104.00	\$105.00	10303033
<b>Note: All Town Planning Fees are exclusive of GST unless otherwise indicated</b>						
<b>Town Planning (Continued)</b>						
(xii)	Relocated House - Bank Bond or Guarantee	Council	OOS	\$31,000.00	\$31,000.00	TRUST TYPE 32
	<b>Publications</b>					
	Scheme Text	Council	OOS	\$52.00	\$52.00	10303033
	Local Planning Strategy	Council	OOS	\$52.00	\$52.00	10303033
	Scheme maps A3	Council	OOS	\$52.00	\$52.00	10303033
	Northam Development Plan	Council	OOS	\$52.00	\$52.00	10303033
	Northam Regional Centre Growth Plan	Council	OOS	\$100.00	\$100.00	10303033

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

SCHEDULE OF FEES AND CHARGES 2016/17 ADOPTED CHARGES					
FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
(xiii) <b>Town Planning Scheme Amendments</b> Executive Manager, Senior Planning Officer, Planning Officer, Environmental Officer, Administration Officer	Statutory	OOS	\$As per the maximum fee prescribed under the Planning and Development Regulations 2009	\$As per the maximum fee prescribed under the Planning and Development Regulations 2009	10303003
<b>Professional Advice</b> Executive Manager	Council	Yes	\$200.00 per hour *	\$205.00 per hour *	10303003
Senior Planning Officer	Council	Yes	\$152.00 per hour *	\$155.00 per hour *	10303003
Planning Officer	Council	Yes	\$109.00 per hour *	\$110.00 per hour *	10303003
Administration Officer	Council	Yes	\$76.00 per hour *	\$75.00 per hour *	10303003
(xiv) <b>Extractive Industry Licences</b> Extractive Industry Annual Licence Fee	Council	OOS	\$343.00	\$345.00	13493063
Extractive Industry Licence BGC Quarry	Council	OOS	\$1,720.00	\$1,740.00	13493063
<b>Refer to Shire of Northam Extractive Industries Local Law for further details</b>					
<b>COMMUNITY AMENITIES (Continued)</b>					
<b>Cemetery</b>					
(i) <b>Fees &amp; Charges - Northam Public Cemetery</b> Grant of Right of Burial					
- Grant of Right of Burial	Council	Yes	\$135.00*	\$136.00*	10313033
- Grant of Right of Burial (Reservation/Reissue)	Council	Yes	\$135.00*	\$136.00*	10313033
- Transfer Grant of Right of Burial	Council	Yes	\$91.00*	\$92.00*	10313033
- Grant of Right of Placement	Council	Yes	\$91.00*	\$92.00*	10313033
- Transfer Grant of Right of Placement	Council	Yes	\$63.00*	\$64.00*	10313033
- Copy of Grant of Right of Burial / Placement	Council	Yes	\$18.50*	\$19.00*	10313033
Burial Fees: (includes land & diggings)					
- New Grave Adult Burial	Council	Yes	\$1,015.00*	\$1,025.00*	10313033
- New Grave Child Burial (under 13 years of age)	Council	Yes	\$800.00*	\$810.00*	10313033
- New Grave Stillborn	Council	Yes	\$555.00*	\$560.00*	10313033
- Exhumation Fee	Council	Yes	\$1,410.00*	\$1,425.00*	10313033
- Reinterment after exhumation Fee	Council	Yes	\$1,014.00*	\$1,025.00*	10313033
- Reopening of Grave	Council	Yes	\$1,094.00*	\$1,100.00*	10313033

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
- Digging Deeper Graves	Council	Yes	\$115.00*	\$115.00*	10313033
- Oversize Casket	Council	Yes	\$115.00*	\$115.00*	10313033
Placement of Ashes in Niche Wall:					
- Single	Council	Yes	\$183.00*	\$185.00*	10313033
- Double	Council	Yes	\$298.00*	\$300.00*	10313033
- Plaques	Council	Yes	At Cost & Freight *	At Cost & Freight *	10313033
Plate Fee per plot	Council	Yes	\$41.50*	\$42.00*	10313063
Monumental Work Single Permit	Council	OOS	\$185.00	\$185.00	10313013
Funeral Directors Licence					
- Annual Licence	Council	OOS	\$133.00	\$133.00	10313023
- Single Burial Permit	Council	OOS	\$59.00	\$60.00	10313023
Lawn Cemetery:					
- Digging of new Grave	Council	Yes	\$1,441.00*	\$1,450.00*	10313033
- Reopening of Grave	Council	Yes	\$1,441.00*	\$1,450.00*	10313033
- Plaques	Council	Yes	At Cost & Freight*	At Cost & Freight*	10313033
Placement of Ashes in Garden:					
- Single	Council	Yes	\$181.00*	\$182.00*	10313033
- Double	Council	Yes	\$297.00*	\$300.00*	10313033
- Plaques	Council	Yes	At Cost & Freight*	At Cost & Freight*	
Placement of Ashes in Grave					10313033
- Per Internment	Council	Yes	\$293.00*	\$295.00*	10313033
- Plaques	Council	Yes	At Cost & Freight*	At Cost & Freight*	10313033
Exhumation of Ashes	Council	Yes	\$224.00* for first two hours \$58.00* per hour thereafter	\$226.00* for first two hours \$58.00* per hour thereafter	10313033
<b>Refer Council's Local Laws Relating to Northam Cemeteries for definition of Grant of Right of Burial</b>					
<b>RECREATION AND CULTURE</b>					
<b>Ovals and Outdoor Playing Areas</b>					
Playing Fields - Bert Hawke, Jubilee Oval, Henry St, Wundowie & Bakers Hill				As per hire policy	
Annual Club Fees					11343083
Cricket	Council	Yes	\$ 5,355.00 *	\$3,400.00	11343083
Junior Cricket				\$2,100.00	
Hockey	Council	Yes	\$ 5,355.00 *	\$5,500.00	11343083
Football junior	Council	Yes	\$2,500.00 *	\$2,500.00	11343083

**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
Football senior (per team)	Council	Yes	\$7,700.00 *	\$7,700.00	11343083
Athletics	Council	Yes	\$2,000.00 *		11343083
<b>Casual Hourly Hire</b>	<b>Council</b>	<b>Yes</b>		<b>\$25.00</b>	
- Lights at Additional Cost per hour	Council	Yes	\$15.00 per hour *	\$15.00 per hour *	11343083
- Casual Full Day Hire (over 4 hours includes public toilets & changerooms)	Council	Yes	\$350.00 *	\$350.00 *	11343083
- Casual Half Day Hire (up to 4 hours includes public toilets & changerooms)	Council	Yes	\$200.00 *	\$200.00 *	11343083
Outdoor courts					
- Senior Game (no lights)	Council	Yes	\$12.50 per hour *	\$12.50 per hour *	11343083
- Lights at Additional Cost per hour	Council	Yes	\$3.60 per hour per court *	\$3.60 per hour per court *	11343083
Reserve Camping Fee (overflow facility)	Council	Yes	\$15.00 per night *	\$15.00 per night *	11343083
Showers (SideShow Alley Staff for Ag Show)	Council	Yes	\$3.00 *	\$3.00 *	11343083
Special Events (Circus etc)	Council	Yes	\$760.00 *	\$760.00 *	11343063
Casual Hire Fee - Mt Ommanney	Council	Yes	No Charge	No Charge	11343023
Wundowie Oval lighting paid direct by clubs.					
Wundowie Oval annual usage fee Education Department	Council	Yes	\$9,020	\$9,020	11343173
Bonds - Regular Hirings	Council	OOS	\$112.00 - \$560.00	Up to \$2,000.00	TRUST TYPE 11
Bonds - Special Hirings/Events eg Circus, AVVVA, Pony Club, etc	Council	OOS	\$800.00 - \$1,800.00	Up to \$2,000.00	TRUST TYPE 11
<b>Recreation Centre</b>					
Programs					
- Senior Program	Council	Yes	\$7.50 *	\$7.50	11343143
- Senior Program per player 10	Council	Yes	\$67.00 *	\$67.50	
Game Discount					
- Junior Program	Council	Yes	\$6.00 *	\$6.00	11343143
Team Forfeit Fee	Council	Yes	\$30.00 *	\$30.00	11343143
Brithday Parties					
- Basic Party	Council	Yes		\$100.00 for up to 10 children plus \$10.00 per child thereafter	11343143
- Deluxe Party	Council	Yes		\$160.00 for up to 10 children plus \$16.00 per child thereafter	11343143
- Premium Party	Council	Yes		\$220.00 for up to 10 children plus \$22.00 per child thereafter	11343143
Facilities					

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
- Activity Rooms 1,2 and 3 - for Community Organisations (individually)	Council	Yes	\$30.00 per hour *\$213.00 per day *	\$30.00 per hour \$210.00 per day	11343083
- Activity Rooms 1,2 and 3 - for Commercial Organisations (individually)	Council	Yes	\$60.00 per hour * \$416.00 per day *	\$45.00 per hour \$315.00 per day	11343083
- Activity Rooms 1 and 2 - hired concurrently - for Community Organisations	Council	Yes	\$47.00 per hour * \$330.00 per day *	\$45.00 per hour * \$315.00 per day *	11343083
- Activity Rooms 1 and 2 - hired concurrently - for Commercial Organisations	Council	Yes	\$94.00 per hour *\$660.00 per day *	\$94.00 per hour *\$494.00 per day *	11343083
- Hospitality Area for Community Organisations	Council	Yes	\$50.00 per hour * \$350.00 per day *	\$60.00 per hour * \$420.00 per day *	11343083
- Hospitality Area for Commercial Organisations	Council	Yes	\$90.00 per hour *\$640.00 per day *	\$90.00 per hour *\$630.00 per day *	11343083
- Kitchen Area for Community Organisations	Council	Yes	\$20.00 per hour *	\$20.00 per hour *	11343083
- Kitchen Area for Commercial Organisations	Council	Yes	\$35.00 per hour *	\$30.00 per hour *	11343083
Full Centre Hire - for Community Organisations / 8 Hour day ##	Council	Yes	\$1,335.00 *	\$1,400.00	11343083
Full Centre Hire - for Community Organisations / Hour ##	Council	Yes	\$175.00 *	\$200.00	11343083
Full Centre Hire - for Commercial Organisations / 8 Hour day ##	Council	Yes	\$2,670.00	\$2,100.00	11343083
Full Centre Hire - for Commercial Organisations / Hour ##	Council	Yes	\$350.00	\$300.00	11343083
Sports Hall					
- Court Hire per court	Council	Yes	\$31.00 per hour *\$220.00 per day *	\$35.00 \$245 per day	11343083
<del>- Court Hire per court - schools using own equipment</del>	<del>Council</del>	<del>Yes</del>	<del>\$23.00 per hour *</del>	<del>\$23.00 per hour *</del>	<del>11343083</del>
- Sporting Club Office	Council	Yes	\$155.00 per annum *	\$155.00 per annum *	11343083
- Storage Cage	Council	Yes	\$112.00 per annum *	\$112.00 per annum *	11343083
- Creche (exclusive hire includes staff member)	Council	Yes	\$5.50 per child per hour *	N/A	11343083
50% discount applies on all Ovals and Recreation Centre hires for Junior and Senior group bookings until 4pm Mon-Fri					
<b>Equipment Hire</b>					
Public Address System	Council	Yes	\$20.00 *	\$20.00 *	11343073
Projector & Screen	Council	Yes	\$20.00*	\$20.00*	11343073
Tea & coffee provision	Council	Yes	\$2.50 per person	\$2.50 per person	

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>RECREATION AND CULTURE (Continued)</b>					
<b>Public Hall Hire - Northam &amp; Wundowie</b>					
<b>Meetings, Training and Conventions</b>					
Please note meetings are charged for time used (including any set up and cleaning time)					
Includes kitchen, chairs and tables					
Half Day 4 Hours, Full Day 8 Hours					
<b>Commercial Use</b>					
Lesser Hall - for Commercial Use	Council	Yes	\$20.00* per hour \$120.00* per day	\$20.00* per hour \$140.00* per day	11323013
Town Hall - for Commercial Use	Council	Yes	\$24.00* per hour \$140.00* per day	\$24.00* per hour \$168.00* per day	11323013
Memorial Hall - for Commercial Use	Council	Yes	\$52.00* per hour \$286.00* per day	\$52.00* per hour \$364.00* per day	11323013
Wundowie Hall - Entire Facility - for Commercial Use	Council	Yes	\$82.00* per hour \$440.00* per day	\$82.00* per hour \$564.00* per day	11323013
Wundowie Hall - Main Hall - for Commercial Use	Council	Yes	\$65.00* per hour \$355.00* per day	\$65.00* per hour \$455.00* per day	11323013
Wundowie Hall - Meeting Room - for Commercial Use	Council	Yes	\$52.00* per hour \$286.00* per day	\$52.00* per hour \$364.00* per day	11323013
<b>Community Use</b>					
Lesser Hall - for Community Use	Council	Yes	\$10.00 per hour \$60.00* per use full day	\$10.00 per hour \$70.00* per use full day	11323013
Town Hall - for Community Use	Council	Yes	\$12.00* per hour \$70.00* per use full day	\$12.00* per hour \$84.00* per use full day	11323013
Memorial Hall - for Community Use	Council	Yes	\$10.00 per hour \$60.00* per use full day	\$10.00 per hour \$70.00* per use full day	11323013
Wundowie Hall - Entire Facility - for Community Use	Council	Yes	\$19.50* per hour \$117.00* per use full day	\$19.50* per hour \$137.00* per use full day	11323013
Wundowie Hall - Main Hall - for Community Use	Council	Yes	\$12.00* per hour \$70.00* per use full day	\$12.00* per hour \$84.00* per use full day	11323013



**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
Wundowie Hall - Meeting Room - for Community Use	Council	Yes	\$10.00 per hour \$60.00* per use full day	\$10.00 per hour \$70.00* per use full day	11323013
<b>RECREATION AND CULTURE (Continued)</b>					
<b>Public Hall Hire - Northam &amp; Wundowie (Continued)</b>					
SPORTING ACTIVITIES Northam Facilities do not permit hire for sporting activities.					
SURCHARGE FOR USE INCLUDING ALCOHOL Where alcohol is consumed in the building, an additional surcharge will be levied.	Council	OOS	\$112.00	\$113.00	
SURCHARGE FOR USE AFTER MIDNIGHT Where the building is to be used after midnight, an additional charge will be levied.	Council	Yes	Applicable Hourly Rate	Applicable Hourly Rate	11323013
REHEARSALS The charge for rehearsals applies for each occasion the building is used. Booking of the hall for rehearsals is subject to the building not being required for a full booking at the time.					
CLEANING BOND - COMMERCIAL OR SOCIAL EVENTS A bond of \$200.00 is payable. GST not applicable to bonds when paid, however, will be brought into account when/if the bond needs to be used.	Council	OOS	\$205.00	\$205.00	TRUST TYPE 18
FACILITY HIRE BOND - EVENTS INVOLVING ALCOHOL * Rate will depend on venue and functions (Additional to Cleaning Bond)	Council	OOS	\$500.00-\$2,000.00	\$500.00-\$2,000.00	TRUST TYPE 1 or 11
CONDITIONS AND FEES FOR HIRE - Any damage to furniture to be paid by the hirer - Any request for furniture to be on the shire's "application to hire" form and hiring fees to be paid in advance					
-					
<b>RECREATION AND CULTURE (Continued)</b>					

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>Northam and Wundowie Swimming Pool Fees &amp; Charges</b>					
For every adult over the age of 18 years	Council	Yes	\$4.60*	\$4.60	11333103
For every adult over the age of 18 years (10 Passes)	Council	Yes	\$41.00*	\$41.00	11333103
Child 5 years - 17 years	Council	Yes	\$3.60	\$3.60	11333103
Child 5 years - 17 years (10 Passes)	Council	Yes	\$31.00	\$32.00	11333103
Free entrance is provided to children up to 5 years of age	Council	Yes	No Charge	No Charge	11333103
Spectator / Pensioner entrance	Council	Yes	\$2.00*	\$2.00	11333103
Spectator - Swimming Lessons & Swimming Club	Council	Yes	No Charge	No Charge	11333103
Full Season Pass - Family: 2 adults and 2 children under 17 yrs old	Council	Yes	\$260.00	\$260.00	11333113
Half Season Pass - Family: 2 adults and 2 children under 17 yrs old	Council	Yes	\$137.00	\$143.00	
Full Season Pass - Additional Family Member	Council	Yes	\$58.50	\$60.00	11333113
Half Season Pass - Additional Family Member	Council	Yes	\$34.00	\$33.00	
Single Full Season Pass - Adult	Council	Yes	\$88.00	\$88.00	11333113
Single Half Season Pass - Adult #	Council	Yes	\$46.00	\$48.00	
Single Full Season Pass - Child	Council	Yes	\$80.00	\$80.00	11333113
Single Half Season Pass - Child #	Council	Yes	\$44.00	\$44.00	
Single Full Season Pass - Pensioner	Council	Yes	\$56.00	\$60.00	11333113
Single Half Season Pass - Pensioner	Council	Yes	\$34.00	\$33.00	
Scholars of State and other registered Primary and Secondary schools (other than holders of season tickets) accompanied by Teacher during normal school hours (per person - group discount)	Council	Yes	\$2.60	\$2.60	11333123
Lane Hire Community	Council	Yes	\$9.00* per lane per hour	\$10.00 per lane per hour	11333103
Lane Hire Commercial	Council	Yes	15.00 per lane per hour	20.00 per lane per hour	11333103
Private lessons/Classes	Council	Yes	\$9.00* per lesson	\$9.00* per lesson	11333103
<del>Water Aerobics/Exercise</del>	<del>Council</del>	<del>Yes</del>	<del>\$9.00* per lesson</del>	<del>N/A</del>	<del>11333103</del>
Pool Hire (including operator)	Council	Yes	\$130.00* per hour	\$130.00* per hour	11333103
# Half Season Pass is only from opening of the season to 31 Dec or 1 Jan to closing of the season					
Staff Discount					
A 50% discount for staff on entry to the Shire's swimming pools, including season passes.					
<b>Sound Shell - Bernard Park, Northam (if using lights etc)</b>					

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
Hire by Community Organisations	Council	Yes	\$14.00* per hour	\$14.00* per hour	11343023
Hire by Commercial Organisations	Council	Yes	\$28.00* per hour	\$28.00* per hour	11343023
<b>Northam Region Library</b>					
Replacement Borrower's Card	Council	Yes	\$1.00*	\$1.00*	11353023
Photocopying/Printing	Council	Yes	\$0.20* per page (coin operated)	\$0.20* per page (coin operated)	11353033
Photocopying/Printing Colour	Council	Yes	\$0.50* per page (coin operated)	\$0.50* per page (coin operated)	11353033
<b>Workshops &amp; Professional Development</b>					
<b>Craft Workshop</b>					
Child - Under the age of 18	Council	Yes	\$10.00*	\$10.00*	11353043
Family - Where more than 1 Child from a family is booked into the same workshop and a medicare card has been sighted listing all children	Council	Yes	\$15.00*	\$15.00*	11353043
Adult - Person over the age of 18	Council	Yes	\$25.00*	\$25.00*	11353043
<b>Fine Arts</b>					
Child - Under the age of 18	Council	Yes	\$10.00*	\$10.00*	11353043
Family - Where more than 1 Child from a family is booked into the same workshop and a medicare card has been sighted listing all children	Council	Yes	\$15.00*	\$15.00*	11353043
Adult - Person over the age of 18	Council	Yes	\$25.00*	\$25.00*	11353043
<b>Special Interests</b>					
Child - Under the age of 18	Council	Yes	\$10.00	\$10.00	11353043
Family - Where more than 1 Child from a family is booked into the same workshop and a medicare card has been sighted listing all children	Council	Yes	\$15.00*	\$15.00*	11353043
Adult - Person over the age of 18	Council	Yes	\$25.00*	\$25.00*	11353043
<b>RECREATION AND CULTURE (Continued)</b>					
<b>IT, Cyber Safety, Social Media</b>					
Child - Under the age of 18	Council	Yes	\$10.00	\$10.00	11353043
Family - Where more than 1 Child from a family is booked into the same workshop and a medicare card has been sighted listing all children	Council	Yes	\$15.00	\$15.00	11353043
Adult - Person over the age of 18	Council	Yes	\$25.00*	\$25.00*	11353043

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>Professional Development</b>					
Corporate - Full Day (9.30am to 12 noon recommence 1pm to 4pm)	Council	Yes	\$100.00*	\$100.00*	11353043
Corporate - Half Day (9.30am to 12 noon)	Council	Yes	\$55.00*	\$55.00*	11353043
Staff - Full Day (9.30am to 12 noon recommence 1pm to 4pm)	Council	Yes	\$80.00*	\$80.00*	11353043
Staff - Full Day	Council	Yes	\$45.00*	\$45.00*	11353043
<p>All of the above fees include the cost of presenter fees and where applicable morning &amp; afternoon tea, and materials where possible. Participants are advised if extra costs for materials are required. In addition a 10% surcharge will apply to non library members. The workshops are to be delivered in the library. Where numbers require the use of another facility, costs of hire will be an additional cost to the course charges</p>					
<b>TRANSPORT</b>					
<b>Special Series Shire Number Plates</b>					
Special Series Plate Fee	Council	Yes	\$112.00	\$112.00	12413043
<p>Note: DoT Charge \$220.00 for supply - Total Fee \$330.00</p>					
<b>Airport</b>					
Lease establishment fee	Council	Yes	\$3,300.00*	\$3,300.00*	1243013
Lease transfer fee	Council	Yes	\$1,650.00*	\$1,650.00*	1243013
Lease rental fees	Council	Yes	as per lease*	as per lease*	1243013
Aircraft parking per plane per week	Council	Yes	\$11.00* per week	\$11.00* per week	
Commercial flight training contribution to runway lights	Council	Yes	\$550.00* per annum	\$550.00* per annum	
<b>ECONOMIC SERVICES</b>					
<b>Visitor Servicing</b>					
(i) Bus tours	Council	Yes	\$15.00* per head	\$15.00* per head	13773073
(ii) Bus tours - group of 15 or more	Council	Yes	\$12.00* per head	\$12.00* per head	13773073
(iii) Walking tours	Council	Yes	\$12.00* per head	\$12.00* per head	13773073
(iv) Walking tours - group of 10 or more	Council	Yes	\$100.00* per tour	\$100.00* per tour	13773073
(v) Tour Guide for Bus Groups	Council	Yes	\$100.00* per tour	\$100.00* per tour	13773073

**SCHEDULE OF FEES AND CHARGES**  
**2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>Building Control</b>					
(i) Relocated House - Inspection Fee - (Prior to Building Application Approval) - Distance up to 100km radius of Northam Shire	Council	Yes	\$345.00*	\$345.00*	13463093
* Distance over 100kms from Shire Offices shall incur additional charge of \$50 per hour to the officer's time and a charge for additional mileage at Public Service Award Rates)	Council	Yes	Actual cost	Actual cost	13463093
(ii) Footpath/Kerbing/Demolition Bond - Residential	Council	OOS	\$1,000.00 per road	\$1,000.00	TRUST TYPE 22 TRUST TYPE 22
- Commercial	Council	OOS	up to \$1,500 per road frontage*	\$1,500.00	
(iii) Copies of Building Plans					
(a) office copies		Yes	\$31.00*	\$31.00*	13463033
(b) archive copies		Yes	\$72.00*	\$72.00*	13463033
(iv) Building Application Fee - Residential - Uncertified	Statutory	OOS	\$ As per the fee prescribed in the Building Regulations	\$ As per the fee prescribed in the Building Regulations	13463003
(v) Building Application Fee - Commercial or Residential - Certified	Statutory	OOS	\$ As per the fee prescribed in the Building Regulations	\$ As per the fee prescribed in the Building Regulations	13463003
(vi) Application for a Demolition Permit	Statutory	OOS	\$ As per the fee prescribed in the Building Regulations	\$ As per the fee prescribed in the Building Regulations	13463003
(vii) Application to extend the time during which a building permit, demolition permit, occupancy permit or building approval certificate has effect	Statutory	OOS	\$ As per the fee prescribed in the Building Regulations	\$ As per the fee prescribed in the Building Regulations	13463003
(viii) Application for an Occupancy Permit	Statutory	OOS	\$ As per the fee prescribed in the Building Regulations	\$ As per the fee prescribed in the Building Regulations	13463003
(ix) Application for a Building Approval Certificate	Statutory	OOS	\$ As per the fee prescribed in the Building Regulations	\$ As per the fee prescribed in the Building Regulations	13463003

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES			GST	2016/2017	Proposed 2017/18	Account Number
			Treatment OOS = Yes =	* Indicates GST Inclusive		
(x)	Application as defined in regulation 31	Statutory	OOS	\$ As per the fee prescribed in the Building Regulations	\$ As per the fee prescribed in the Building Regulations	13463003
(xi)	Building Application Fee - Minimum all classes	Statutory	OOS	\$ As per the fee prescribed in the Building Regulations	\$ As per the fee prescribed in the Building Regulations	13463003
(xii)	Certificate of Design Compliance - Class 1 -9 Buildings up to 500m2 - Class 10 Buildings	Council	Yes	0.30% (min \$500) of value of works 0.30% (min \$200) of Value of Works	0.30% (min \$500) of value of works 0.30% (min \$200) of Value of Works	13463003
(xiii)	Certificate of Building Compliance (Unauthorised Works)	Council	Yes	Class 1 & 10 min. \$380.00 Class 10b min. \$200	Class 1 & 10 min. \$380.00 Class 10b min. \$200	13463003
(xiv)	Certificate of Building Compliance (Formalise Existing Building)	Council	Yes	Class 1 & 10 min. \$380.00	Class 1 & 10 min. \$380.00	13463003
(xv)	Certificate of Building Compliance (Strata, Class 1 & 10 only)	Council	Yes	\$230 + \$50/Unit or dwelling	\$230 + \$50/Unit or dwelling	13463003
(xvi)	Cert of Construction Compliance (Class 2-9 Buildings - where the Shire has issued the CDC and building is <500m <sup>2</sup> and < 3 storeys)	Council	Yes	0.25% (min.\$500) of Value of Works	0.25% (min.\$500) of Value of Works	13463003
(xvii)	Fast Track Fee	Council	Yes	\$150.00*	\$150.00*	13463003
(xviii)	Pool Inspection or reinspection Fee	Council	Yes	\$75.00*	\$75.00*	13463043
(xix)	Change of Builder After Permit has been issued	Council	Yes	\$75.00*	\$75.00*	13463003
(xx)	Building Surveyor Hourly Charge Rate	Council	Yes	\$110.00 per hour*	\$110.00 per hour*	13463003
(xxi)	Building Services Levy	Statutory	OOS	0.09% of works value	\$ As per the fee prescribed	TRUST TYPE 30
(xxii)	BCITF Levy	Statutory	OOS	0.2% of works value	\$ As per the fee prescribed by the BCITF	TRUST TYPE 29
(xxiii)	Hoardings Licence	Council	OOS	\$31.00		13463003
(xxiv)	Swimming Pool Inspection fee per annum	Statutory	OOS	\$55.00	\$22.00	13463043
(xxv)	Verge Permits	Council	Yes	\$183.00	\$183.00	13463013
(xxvi)	Application for battery powered smoke alarm	Council	OOS	\$95.00	\$95.00	13463003
<b>ECONOMIC SERVICES (Continued)</b>						

**SCHEDULE OF FEES AND CHARGES  
2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>Recycled Water Charges</b>					
(i) Education Department (High School) from point of supply - main line	Council	Yes	\$0.50 per KL	\$0.50 per KL	13493003
(ii) Northam Trotting Club (Inc) from point of supply - Clarke Street dam	Council	Yes	\$0.50 per KL	\$0.50 per KL	13493003
(iii) Northam Race Club from point of Supply	Council	Yes	\$0.50 per KL	\$0.50 per KL	13493003
<b>Community Bus</b>					
Deposit	Council	OOS	\$55.00	\$55.00	TRUST
Hire Usage Rate per km	Council	Yes	\$1.10*	\$1.10*	13493103
- Minimum charge of \$50.00 applies to external users					
Cancellation Fee (otherwise 24hrs notice required)	Council	Yes	\$26.00*	\$26.00*	13493103
Cleaning Surcharge Fee if Bus returned unclean	Council	Yes	\$60.00*	\$60.00*	13493103
50% discount for eligible pensioners (such as Silver Wings, Northam over 60)					
<b>NB: Bus must be returned fully fuelled up after use or the hirer will be invoiced.</b>	Council	Yes	Actual costs*	Actual costs*	13493103
<b>NB: No Smoking on Bus.</b>					
Bookings made with the Shire of Northam Administration Centre Telephone: (08) 9622 5153 Hours: 8.30 am to 4.30 pm					
<b>OTHER PROPERTIES AND SERVICES</b>					
<b>Private Works (All)</b>		Yes	140% of Actual Cost		14503003
<b>Tree Seedlings</b>					
The Shire will provide 50% subsidy for the cost of a tree seedling tray provided by approved suppliers (maximum 2 trays per property per year)				50% of cost	New
<b>Note: Details can be provided by the Shire Administration Office.</b>					

**SCHEDULE OF FEES AND CHARGES  
 2016/17 ADOPTED CHARGES**

FEES AND CHARGES		GST	2016/2017	Proposed 2017/18	Account Number
		Treatment OOS = Yes =	* Indicates GST Inclusive		
<b>Crossovers</b>					
<b>Bonds</b>					
Vehicle Crossover - Townsite Crossover/Kerbing Bond	Council	OOS	\$1,000.00	\$1,500.00	TRUST TYPE 9
Bond for road reinstatements due to building developments	Council	OOS	\$1,000.00	\$1,000.00	TRUST TYPE 9
<b>Crossover Subsidy's</b>					
Council will provide up to 50% of the total cost of construction of a					
Piped (Culvert) Crossover - (Maximim Value \$1,500)	Council	Yes	\$1,300.00*	\$1,500.00	14503003
Non-piped Crossover - (maximun value \$800)	Council	Yes	\$600.00	\$800.00	14503003
<b>Note: First crossing to property only</b>					
Additional cost per m2 concrete 100mm thickness	Council	Yes	\$145.00*	\$145.00*	14503003
Four metre deep driveway					14503003



## 12.5 COMMUNITY SERVICES

### 12.5.1 Shire of Northam Community Grants 2017-18

<b>Address:</b>	N/A
<b>Owner:</b>	N/A
<b>File Reference:</b>	8.2.5.26
<b>Reporting Officer:</b>	Michelle Blackhurst Community Development Officer
<b>Responsible Officer:</b>	Ross Rayson Executive Manager Community Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

The purpose of this report is to provide Council with the information required to make determination on whether to support the applications received for the 2017/18 Community Assistance Grants.

#### ATTACHMENTS

Attachment 1: Assessment Schedule 2017/18 (provided to Council as a separate confidential attachment to this agenda/minutes).

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#### BACKGROUND / DETAILS

The Shire of Northam Policy C2.1 Community Grants Scheme (adopted 21 May 2014) guides the application process and evaluation of the community grants.

The Shire of Northam Community Grants opened on 13 February 2017 and closed on 13 April 2017.

In total, 33 applications for funding have been received, spread across the three categories, with 1 being withdrawn bringing the total to 32 applications. The following applications were received:

#### PUBLIC EVENT CATEGORY

<b>Applicant</b>	<b>Event</b>	<b>Amount Requested (Inc GST)</b>
Hurricane Go Kart Club	King of the Hill	\$5,000.00
Rotary Club of Northam	Community Fun Run	\$2,113.30
Volunteering WA	Volunteer Recognition Events	\$5,000.00
Northam Theatre Group	Northam Performing Arts Festival 2018	\$1,500.00

Northam Theatre Group	Annual Theatrical Play Production	\$1,500.00
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**PROJECT GRANT CATEGORY**

<b>Applicant</b>	<b>Project</b>	<b>Amount Requested (Inc GST)</b>
Artist Revolution	Aboriginal Arts Development	\$5,000.00
Avon Hockey Association Inc.	Woodhouse Coaching Academy Roadshow	\$4,650.00
Avon Valley Environmental Society	Flood Damage Repairs to Trails	\$550.00
Bakers Hill Adult Riding Club	Improvements to BHARC arena fencing	\$3,000.00
Community Solutions	Community Art Workshops	\$1,270.00
Ngagagin Maaman Mia Aboriginal Men's Shed	Men's Shed Space Setting	\$5,000.00
Northam Army Camp Heritage Assoc. Inc.	Australian War Memorial Research	\$3,178.50
Northam Country Club - Golf Division	Junior Equipment Storage Upgrade	\$5,192.00
Northam District Motor Cycle Club Inc.	New Waterline and Storage Facility	\$4,950.52
Northam Districts Little Athletics Centre	Update/Additional Equipment	\$3,243.88
Northam Heritage Forum Inc.	Restoration of Heritage Carriages x 2	\$5,414.80
Northam Men's Shed	Development of a Mechanical Workshop	\$5,000.00
Northam PCYC	School Holiday Program	\$5,000.00
Northam PCYC	Northam PCYC Boxing Program	\$5,000.00
Northam PCYC	Night Hoops Northam	\$5,000.00
Northam Pistol Club	Air Pistol Range Upgrade	\$5,000.00
Northam Senior Citizen's Social Club	Senior Activities	\$5,000.00
Northam Toy Library	Collaborative Early Years Building - Feasibility Study	\$5,000.00
Riding for the Disabled Bakers Hill Carriage Driving Centre	Arena Surfacing	\$5,000.00
RSL Bakers Hill	Memorial Flood Lights	\$3,251.00
Southern Brook Community Association	Southern Brook Hall Permanent BBQ	\$5,000.00
Walbrininy Ngulla Aboriginal Corporation	WNAL Development Plan	\$5,000.00

West Northam Primary School P&C Association	West Northam Nature Playground	\$5,000.00
Wundowie & Districts Men's Shed	Wood Shop and Welding Shop Equipment	\$5,000.00

#### CLUB SPONSORSHIP CATEGORY

Applicant	Event	Amount Requested (Inc GST)
Northam Country Club - Golf Division	Men's Open weekend	\$500.00
Northam Country Club- Golf Division	Ladies Open Weekend	\$500.00
Northam Lawn Tennis Club	Mixed doubles Open Day	\$500.00

#### CONSIDERATIONS

##### Strategic Community / Corporate Business Plan

Objective C1 Create an environment that provides for a caring and healthy community

Strategy C1.7: Provide an environment that enhances and builds on the liveability of the Shire.

##### Financial / Resource Implications

If Council agrees to the recommended Community Grants, an amount of \$88,143.98 will need to be listed for consideration in the 2017/18 draft budget.

Council has previously agreed to the recommended annual allocations, an additional amount of \$40,490.90 which will need to be included in the 2017/18 draft budget.

In 2015/16, Council allocated \$116,000 and in 2016/17 allocated \$121,492.00 towards the Community grants Programme.

##### Legislative Compliance

Nil.

##### Policy Implications

The Shire of Northam Policy C2.1 Community Grants Scheme (adopted 21 May 2014) guides the application process and evaluation of the community grants.

##### Stake Holder Engagement / Consultation

The Shire of Northam Community Grants were advertised in the Avon Valley Advocate, Shire of Northam website and Facebook, as well as emailed to community groups and organisations.

## Risk Implications

The Shire of Northam Community Funding Scheme aims to strengthen and enhance social wellbeing, development and sustainability of the Shire of Northam community.

Without the Community Funding Scheme, individuals and community organisations would not have access to local support and it would be less likely that the community would have the opportunity to undertake projects, events and activities that provide a benefit to the community.

## OFFICER'S COMMENT

For 2017/18 32 applications have been received. The total value of the projects is \$252,903.70, with grants totalling \$122,125.10 (including GST) requested. Each application was assessed against the Community grants Guidelines to determine their eligibility. In all, 27 grant applications have been recommended for partial or full support and officers recommend grants totalling \$88,143.98 (excluding GST) be approved. In addition to this, 5 applications for recurrent annual events totalling \$40,490.90 have previously been approved by Council for inclusion as an annual budget allocation, with the grant relevance and amount to be reviewed after three years.

In 2016/17, Council allocated \$121,492.00 towards the Community grants Programme.

A summary of all of the applications can be found in the 2017/18 Community Grant Application Assessment Schedule which is a confidential attachment to this agenda.

### RECOMMENDATION

#### That Council:

1. Provide the following funding to the applicants as listed, with any special conditions as listed in the confidential Assessment Schedule:

#### PUBLIC EVENT CATEGORY

Applicant	Event	Amount Requested (Inc GST)	Amount to be Granted (Exc GST)
Hurricane Go Kart Club	King of the Hill	\$5,000.00	\$5,000.00
Rotary Club of Northam	Community Fun Run	\$2,113.30	\$2,113.30
Volunteering WA	Volunteer Recognition Events	\$5,000.00	\$4,545.45

**PROJECT GRANT CATEGORY**

Applicant	Project	Amount Requested	Amount to be Granted
		(Inc GST)	(Exc GST)
Artist Revolution	Aboriginal Arts Development	\$5,000.00	\$5,000.00
Avon Hockey Association Inc.	Woodhouse Coaching Academy Roadshow	\$4,650.00	\$4,650.00
Avon Valley Environmental Society	Flood Damage Repairs to Trails	\$550.00	\$500.00
Bakers Hill Adult Riding Club	Improvements to BHARC arena fencing	\$3,000.00	\$3,000.00
Ngagagin Maaman Mia Aboriginal Men's Shed	Men's Shed Space Setting	\$5,000.00	\$2,272.75
Northam Army Camp Heritage Assoc. Inc.	Australian War Memorial Research	\$3,178.50	\$3,178.50
Northam Army Camp Heritage Assoc. Inc.	Erection of 3 replica barracks - Northam Army Camp	\$3,989.60	\$3,989.60
Northam Country Club - Golf Division	Junior Equipment Storage Upgrade	\$5,192.00	\$4,545.45
Northam District Motor Cycle Club Inc.	New Waterline and Storage Facility	\$4,950.52	\$4,950.52
Northam Heritage Forum Inc.	Restoration of Heritage Carriages x 2	\$5,414.80	\$4,545.45
Northam Men's Shed	Development of a Mechanical Workshop	\$5,000.00	\$2,272.75
Northam PCYC	School Holiday Program	\$5,000.00	\$2,518.19
Northam PCYC	Northam PCYC Boxing Program	\$5,000.00	\$4,545.45
Northam Pistol Club	Air Pistol Range Upgrade	\$5,000.00	\$5,000.00
Northam Toy Library	Collaborative Early Years Building - Feasibility Study	\$5,000.00	\$5,000.00

Riding for the Disabled Bakers Hill Carriage Driving Centre	Arena Surfacing	\$5,000.00	\$5,000.00
Southern Brook Community Association	Southern Brook Hall Permanent BBQ	\$5,000.00	\$4,107.50
West Northam Primary School P&C Association	West Northam Nature Playground	\$5,000.00	\$4,545.45
Wundowie & Districts Men's Shed	Wood Shop and Welding Equipment	\$5,000.00	\$2,500.00

### CLUB SPONSORSHIP CATEGORY

Applicant	Event	Amount Requested (Inc GST)	Amount to be Granted (Exc GST)
Northam Country Club - Golf Division	Men's Open weekend	\$500.00	\$454.54
Northam Country Club- Golf Division	Ladies Open Weekend	\$500.00	\$454.54
Northam Lawn Tennis Club	Mixed doubles Open Day	\$500.00	\$454.54

2. Does not provide funding to the following groups through the Shire of Northam Community Grants program as per reasons outlined in the confidential Assessment Schedule:

Applicant	Event	Amount Requested (Inc GST)	Amount (Exc GST)
Community Solutions - Iris Guilmartin	Community Art Workshops	\$1,270.00	\$1,270.00
Northam Districts Little Athletics Centre	Update/Additional Equipment	\$3,243.88	\$3,243.88
Northam PCYC	Night Hoops Northam	\$5,000.00	\$4,545.45
Northam Senior Citizen's Social Club	Senior Activities	\$5,000.00	\$5,000.00
RSL Bakers Hill	Memorial Flood Lights	\$3,251.00	\$3,251.00
Southern Brook Community Association	Southern Brook Hall Permanent BBQ	\$5,000.00	\$5,000.00
Walbriny Ngulla Aboriginal Corporation	WNAL Development Plan	\$5,000.00	\$5,000.00

**3. Provide an annual allocation in the Shire of Northam budget to fund the following annual events as per reasons outlined in the confidential Assessment Schedule, with funding relevance and amount to be reviewed after three years:**

<b>Applicant</b>	<b>Event</b>	<b>Amount Requested (Inc GST)</b>	<b>Amount to be Granted (Exc GST)</b>
Northam Theatre Group	Northam Performing Arts Festival	\$1,500.00	\$1,500.00
Northam Theatre Group	Annual Theatrical Play Production	\$1,500.00	\$1,500.00

**Previously approved annual allocation in the Shire of Northam budget to fund the following annual events as per reasons outlined in the confidential Assessment Schedule, with funding relevance and amount to be reviewed after three years:**

<b>Applicant</b>	<b>Event</b>	<b>Amount Requested (Inc GST)</b>	<b>Amount to be Granted (Exc GST)</b>
Avon Valley Vintage Vehicle Association	The Northam Vintage Vehicle Swapmeet	\$3,300.00	\$3,300.00
Northam Agricultural Society	2016 Northam Agricultural Show	\$5,000.00	\$4,545.45
Northam Christian Ministers Association	Northam Christmas Carols	\$5,000.00	\$4,545.45
Northam RSL Sub Branch	ANZAC Day	\$3,100.00	\$3,100.00
Vintage Sporting Car Club	Northam Motor Sport Festival	\$27,500.00	\$25,000.00

## 12.5.2 Aboriginal & Environmental Interpretive Centre-Interpretive Design

<b>Address:</b>	Lot 85 Minson Ave, Northam
<b>Owner:</b>	Shire of Northam
<b>File Reference:</b>	1.3.13.5
<b>Reporting Officer:</b>	Ross Rayson Executive Manager Community Services
<b>Responsible Officer:</b>	Jason Whiteaker Chief Executive Officer
<b>Voting Requirement</b>	Simple Majority

### BRIEF

For Council to endorse the final interpretive design for the Aboriginal & Environmental Interpretive Centre (AEIC).

### ATTACHMENTS

Attachment 1: Northam Aboriginal and Environmental Interpretive Centre-Detailed Design Report.

### BACKGROUND / DETAILS

At the Ordinary Council meeting held on 18<sup>th</sup> May 2016, the following resolution was endorsed:

#### RECOMMENDATION / COUNCIL DECISION

Minute No: C.2694

Moved: Cr Rumjantsev

Seconded: Cr Hughes

That Council;

1. Endorse the architectural design as presented and authorise progress through to detailed design
2. Accept the interpretive design concept, with the direction that the interpretation needs to incorporate a stronger 'environmental' element, to meet the brief of Aboriginal and Environmental Centre, on the understanding that a more detailed design will be presented to Council for final endorsement.

CARRIED 10/0

Part of the brief from Council was a direction that the interpretation needs to incorporate a stronger "environmental" element. As such, officers, the



Aboriginal Advisory Group (AAG), and Interpretive Designers Thylacine have been meeting regularly and working hard to finalise the interpretive design.

The designers have addressed this issue by including the broader environmental issues as a central theme throughout the interpretive space.

Essentially, the Interpretive Space can be broken down into a number of elements:

1. IMMERSIVE SPACE-This space is a welcome space, providing the visitor with a theatrical Welcome to Country and introduction.
2. THE SIX SEASONS-The bulk of the interpretive space layout follows the six noongar seasons
3. YARNING CIRCLE- An interactive space which can be accessed at any time through the visit. The Yarning Circle space isn't tied to one time or season and will hold conversations between the generations, and discussions about past, present and future.
4. Nyorn-ag-miya PLACE OF SORRY BUSINESS-This sub gallery introduces the Acts that governed Noongar people's lives, such as the Aboriginal Act 1905, and explores the impact this, and other government policies had on the lives of the Noongar people. It also brings together the stories of the stolen generation and Mission days.

The interpretive design uses a mixture of media, including audio visual, photography and artefacts/objects to tell the stories.

## CONSIDERATIONS

### Strategic Community / Corporate Business Plan

Objective C4: Protect and promote the Shire's diverse culture and heritage.

Strategy C4.3: Understand and acknowledge Aboriginal and European heritage and provision of interpretive venues, materials and activities.

Action: Construct Northam Aboriginal Interpretive Centre.

### Financial / Resource Implications

The budget for interpretive fit out is \$750,000 and the developed design has been delivered to meet the budget expectation. The designers have proposed some additional options which include additional interpretive opportunities. These opportunities are an additional cost and are not being considered unless additional funding is sourced.

### Legislative Compliance

N/A.

### Policy Implications

N/A.

### **Stakeholder Engagement / Consultation**

Stakeholder consultation has been constant with the project. Meetings with the AAG, Thylacine representatives and Council staff have resulted in a defined clear direction for the interpretive design. The recently appointed AEIC Coordinator has worked closely with Thylacine's Curator and has provided support and direction to the process.

The AAG have been, and will continue to be, heavily involved in the sourcing and development of the content for the centre.

### **Risk Implications**

A full high level risk assessment for this project was undertaken and was submitted to Council as part of the report of 18 May 2016.

### **OFFICER'S COMMENT**

The developed design has addressed the previous concerns, namely a requirement to incorporate a stronger "environmental" element to meet the brief of the AEIC.

Staff have been working with the designers and the AAG, and the local Environmental groups to ensure that the design reflects the requirement.

The developed design as submitted will foster, celebrate and protect the Aboriginal culture as well as highlight innovative land management practices drawing upon the knowledge of the land's traditional custodians.

Staff believe that the developed interpretive design now meets the brief for the AEIC.

### **RECOMMENDATION**

#### **That Council:**

- 1. Endorse the interpretive design as presented;**
- 2. Authorise the inclusion of the identified additional digital component options that are outside the current scope should sufficient additional funding or project savings be found; and**
- 3. Authorise progress through to tender documentation and procurement.**

Attachment 1



## Contents

1. OVERVIEW
  - Project overview and status
  - Response to previous feedback
  - Curatorial status
  - Object & content update
2. 3D DEVELOPED DESIGN PACKAGE
  - Design summary and rationale
  - Colour palette
  - Drawings/elevations
  - Renders
  - Materiality/ imagery
3. 2D (GRAPHICS) DEVELOPED DESIGN PACKAGE
  - Design summary and rationale
  - Colour palette (include references images etc.)
  - Typography
  - Additional graphic elements
  - Graphic panel hierarchy
4. DIGITAL COMPONENTS
  - Immersive Welcome
  - Touch table
  - Monitors
  - Audio
  - Yarning Circle

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CANBERRA  
PO Box 760  
Queanbeyan NSW 2620  
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E canb@thylacine.com.au

MELBOURNE  
Level 1, 19 Dickmann St  
Richmond VIC 3121  
P +61 3 9427 9779  
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# NORTHAM ENVIRONMENTAL AND ABORIGINAL INTERPRETIVE CENTRE OVERVIEW

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Richmond VIC 3121  
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E [melb@thylacine.com.au](mailto:melb@thylacine.com.au)



OVERVIEW

Project overview and status

The Shire of Northam have committed to the development of a new Cultural Centre next to the current visitor centre to showcase the environment of the Avon River Basin and to celebrate the vibrant, living Aboriginal culture in the Northam region.

The site for the Cultural Centre on the Avon River is a key aspect of this project. The river historically and in the present continues to be a vital source of life for both Indigenous and farming communities and is one of the keys to the ongoing environmental health of the area. The river system is a vital support of life and culture.

The placement of the centre on the Avon River at Northam will allow the Balladong people to enhance and continue their ongoing connection to the surrounding country and culture, which is interwoven with the particularities of the region.

**Project Summary**

The Northam Aboriginal & Environmental Interpretive Centre (NAEIC) will foster, celebrate and protect the culture of the Balladong People of the Nyoongar Nation and highlight innovative land management practices drawing upon the knowledge of the land's traditional custodians. It will be a hub of activity for cultural celebration and learning, environmental best practice and tourism attraction. (Shire of Northam)

The building will be space for Ceremony, meeting, teaching and learning, interpretation and performance, as well as an opportunity for developing skills and business.

Diagram of Centre structure



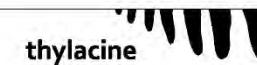
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OVERVIEW

Project overview and status

Project Status

Developed Design follows from Concept Design which was delivered in June last year. The design process following concept design has taken longer than anticipated due to the community consultation and approvals process. This Developed Design Package is based on a matrix of interpretive material for the exhibition identified by our curator, Janet Vost.

The following stage (stage 3) of design is documentation. This will allow the design to be refined into a number of tender packages ready to go out to the market for quotes, fabrication, equipment procurement and media production. Also for the content to be refined, written, edited and proofed.

In this stage we will work with council and the community to identify opportunities for local Noongar construction and production companies to tender for the packages and ensure these are tailored for and accessible to these smaller producers and fabricators.

These packages will include:

- Joinery furniture
- Joinery walls (if necessary)
- Media content procurement & software design
- Media hardware procurement
- Media installation and commissioning
- Lighting hardware procurement
- Lighting testing and commissioning
- Object mount fabrication and installation
- Props and set dressing
- Models
- Mechanical/tactile interactives Fabrication & installation, testing and commissioning
- Graphic production & installation
- Content installation



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PROJECT OVERVIEW

Reponse to previous feedback

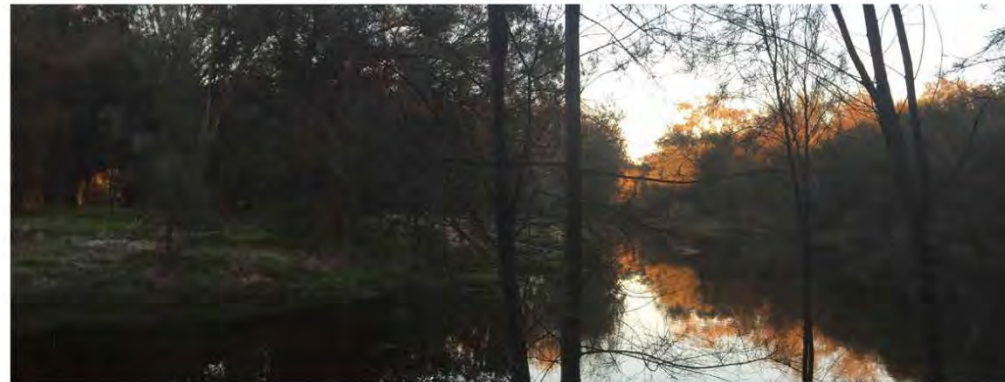
Following our Concept Design presentation we received feedback from Council that more focus needs to be placed on the broader environmental issues of the region. The initial response to this was to include a sub gallery dedicated to the environment and ecology of the region.

Since then the content structure has changed entirely with the broader environmental issues now being central to the entire interpretive overlay.

The other feedback from Council was financial. The budget for the interpretive design must include all design and curatorial fees. Our response to this is to deliver developed design to this budget and to propose two options which include additional interpretive opportunities.



*The environmental topic is an integral overlay for the entire Centre and will be present in all interpretive themes.*




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PROJECT OVERVIEW  
**Curatorial Status**

It has become apparent that the initial anticipated scope of curatorial work involved in identifying content for the NAEIC was insufficient. This has been due to unforeseen circumstances and challenges.

**Challenges encountered**

- No clear boundary was set for the geographic inclusion/exclusion for the Centre or exhibition. Balladong is a huge geographical area crossing many Shires.
- Very wide scope for exhibition. This exhibition is expected to cover cultural, historical, contemporary, arts and environmental stories. Any one of those topics alone requires substantial research.
- Necessary initial consultation sessions were done with community but not with a set advisory group, which meant it was not possible to ascertain any clear direction or scope until later in the process.
- There is no existing smaller scale 'grass roots' Arts Centre/Cultural Centre that can feed content/ideas/vision into the larger centre.
- Unclear relationships with stakeholder groups – e.g. SWALSC, NRM etc.
- Very limited existing objects and artifacts within community. Those we have found are highly contentious and probably unusable.
- History of Aboriginal community (e.g. forced removals, stolen generation etc) makes consultation very complex.
- Access to individual collections essential to the exhibition are in private hands and require time consuming negotiation with individuals and families.
- Existing academic research on Balladong Noongar people and culture is often contradictory.
- The amount of uncertainty and complexity surrounding the exhibition has meant much time has been taken up on consultation, negotiation and administration, leaving insufficient time for research.

**Positives**

- Shire set up Aboriginal Advisory Group in October 2016
- Aboriginal Advisory Group members are dedicated and take the responsibility very seriously.
- Shire Community Development staff have supported Advisory committee meetings with note taking, catering and room bookings.
- Shire employed Cultural Centre Manager in January 2017 who has provided much support and direction for the curatorial process.



**Breakdown of tasks**

- Preparation for advisory group meetings
- Travel time to and from Northam
- Advisory Group meetings
- Follow up from meetings - action items
- Shire correspondence - additional meetings, phone and email
- Thylacine Skype meeting, phone, email and other correspondence
- Research for object procurement including liaising with WA museum, CANWA, Community collections, Family held collections, Northam Visitors centre, Individual Artists, etc
- Research for image and documentation procurement including liaising with State Library, J.J Collection, NRM, individual family held collections etc
- Research text – Cultural/Seasonal/Environmental/Historical
- Preparation of curatorial documentation e.g. All content, acquisition list, consent and copyright docs, all media documentation, media development briefs etc
- Curatorial design – creation of curatorial concept, layout of and reworking design, research into storytelling devices etc
- Research into other cultural centre exhibitions online and field trip
- Meeting with anthropologists to clarify research and sources

PROJECT OVERVIEW  
**Curatorial Status**

**Suggested structure moving forward**

Because the project so far has been heavily weighted towards stakeholder negotiations, community consultation and administration the following changes are suggested so that Thylacine can concentrate on exhibition research, while the Shire takes over all interactions with stakeholders and negotiations regarding objects, access to family collections, consultation with Aboriginal Advisory Group and wider community consultation.

**Advisory Group:**

- Janet to transition out of participation in fortnightly Advisory Group meetings.
- Shire (Joseph) to run fortnightly meetings (or other arrangement as needed) to discuss Cultural Centre business planning etc.
- Janet to participate in Advisory Group meetings once a month to deliver curatorial research and get feedback from Advisory Group.
- Once monthly meetings to run longer e.g. 10- 2pm to reflect these changes.
- Shire to provide a catered lunch and consider providing a sitting fee for participants.

**Suggested Meeting Schedule for Curatorial Content (4th Thursday of month)**

DATE	TIME	AGENDA ITEMS
April 27th	10 - 2	*Present content and seek approval for - Creation Stories/Totems/Moebies and Other Cultural  *Present content and seek approval for - All historical - Presentation of Stolen Generation/Frontier Wars/1905 Act etc
May 25th	10 - 1	Janet to visit Northam to finalize all copyright and permissions forms and any outstanding business

**Janet/Thylacine responsible for the following:**

- Identifying all images for use in exhibition.
- Attaining permission to publish/display images.
- Creation of all exhibition text and referencing.
- Creation of All Media list identifying all stories to be recorded (film/audio etc) in the Media Development phase.
- Creation of appropriate copyright/permissions form and responsibility for obtaining permission from participants for the Media Development phase.
- Recommendation list of all objects for loan or purchase, including list of contacts.

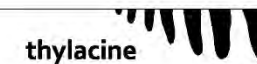
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E canb@thylacine.com.au

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E melb@thylacine.com.au



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PROJECT OVERVIEW

Object & content update

APPENDIX 1

- A costed list of all objects, artists/crafts commissions and artifacts for loan to be included in exhibition.
- Janet to outline her recommendations for purchase and loans, and list of contacts for purchase.

Please see attachment: *Contacts\_Artwork\_Object\_Acquisition List* for a list of objects and artwork for acquisition.

Next deliverable

- All Media list identifying all stories to be filmed/recorded in the Media Development phase April 13th.

Next phase for the Shire on receipt of the above

- Media development
  - Filming and recording of all stories for multi media sections of the exhibition.
- Object and artwork acquisition
  - Finalise loan of repatriated objects as per recommendations.
  - Procurement of artwork as per recommendations.
  - Manage commissioning of artifacts as per recommendations.
  - Manage commissioning of artworks as per recommendations.

Further curatorial deadlines:

All Text Finalised - 12th May

Clear copyright on all images and documents - 19th May

Final permissions signed for Media participation - 2nd June



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# NORTHAM ENVIRONMENTAL AND ABORIGINAL INTERPRETIVE CENTRE 3D DESIGN: DEVELOPED DESIGN PACKAGE

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thylacine 

3D DEVELOPED DESIGN

Design summary and rationale

1.0 Immersive space

The intent of this space has recently changed due to the exterior Welcome fire pit being deleted from the building scope for budgetary reasons. This results in the immersive experience needing to be an appropriate Welcome to country. Refer 7.0 Digital components for media design.

2.0 – 7.0 The 6 seasons

The exhibition layout of the rest of the exhibition space follows the six Noongar seasons. The visitor enters the space at the season of Birak, the first summer (December/January). The AAG chose to start here because it's the season when the Centre will open. It's also the first summer. The visitor walks through a year and ends in the season of Kambarang (October/November). Each season will be introduced with bold text headings followed by a short outline of seasonal themes, written in Noongar and English. Text will be kept concise and as much as possible written or quoted from the direct Noongar voice. Some quotes from early colonial sources will be used, where appropriate. Depending on rights permissions each season will include a quote from Ralph Winmar which talk to both season and skin group/totem.

Through the season of Birak and most of Bunuru, the focus is on Noongar culture and environmental knowledge. The AAG and the Shire want to allow Noongar culture to dominate here and have space before the more difficult stories of European contact arise. Birak is the men's lore season and many important themes of ceremonial and religious life will be introduced here. These early sections of the exhibition focus on the rich Noongar knowledge as well as introducing the Mangart tree and other trees used in tool making.

Bunuru is introduced through the blossoming of the Marri tree and profiles the many uses this tree has for bush Medicine, as well as other plants commonly used for bush medicine. Bunuru includes a map table, which will explore further creation stories, seasonal movement of Balladong Noongar people and songlines/storylines.

As the exhibition progresses, threaded through the seasonal layout is a narrative of first contact, the mission times and contemporary life etc. These themes have been introduced in a roughly linear way, but also tied to seasonal markers of their own. Late in the season the of Bunuru European contact will be introduced. Contemporary Balladong artist, Dianne Jones, will be creating a work for this section, which explores the increasing state of hostility in the Avon region and hundreds of aboriginal people killed in Frontier Wars during the 1800s.

The season of Djeran, the beginning of the cool weather, introduces the need for more permanent shelter, clothing and a more settled camp. Here and in the next season, Makuru, the importance of hunting is explored. The Makuru (cold weather) is the season of the heaviest rains. Here the theme of water is explored, profiling NRM research on gnamma rock holes, include contemporary stories of NRM work. Also stories of the Waakal and its relationship to rivers and rock holes. This season includes cultural transmission and practices that Noongar Elders still teach their grandchildren, such as making kangaroo snares.

After Makuru, the warmer weather begins and we move to the springtime seasons of Djilba and Kambarang, the women's seasons. Here traditional women's work is introduced and objects relating to their work are displayed. Djilba will profile flowering plants and also the importance of woman's practice of cultivating yam crops. This is also the season of birds and will include a rich photographic display. Kambarang will include NRM research on traditional birthing sites. It is also the time to introduce some of the new cultural practices with a display of contemporary women's crafts.



### 3D DEVELOPED DESIGN

#### Design summary and rationale

##### 8.0 Yarning Circle

Visitors may dip in and out of the yarning circle throughout the exhibition, or visit the space before or after they have viewed the perimeter. The yarning circle space isn't tied to one time or season and will hold conversations between the generations, and discussions of past, present and future. The AAG want four people from each generation to be filmed holding a conversation.

A key feature of the design is that it needs to be flexible and user friendly. It will need to adapt to new content being added and content being removed as is culturally appropriate. Part of the rationale for having a seasonal layout is to allow new content and information to be easily included in the narrative.

##### 9.0 Nyorn-ag-ab-miya/ Place of sorry business

This sub gallery introduces the Acts that governed Noongar peoples lives, such as the Aboriginal Act 1905, which commenced in the season of Djeran 1906. This area explores the impacts these government policies had on Noongar people and introduces the Nyorn/Sorry/Healing space that brings together the stories of the Stolen Generation and Mission days.

The design of this space is somewhere people can sit quietly and listen, but is also a space that cannot be ignored or walked past. It is very important to the AAG that this area is visible and that this part of their history is acknowledged.

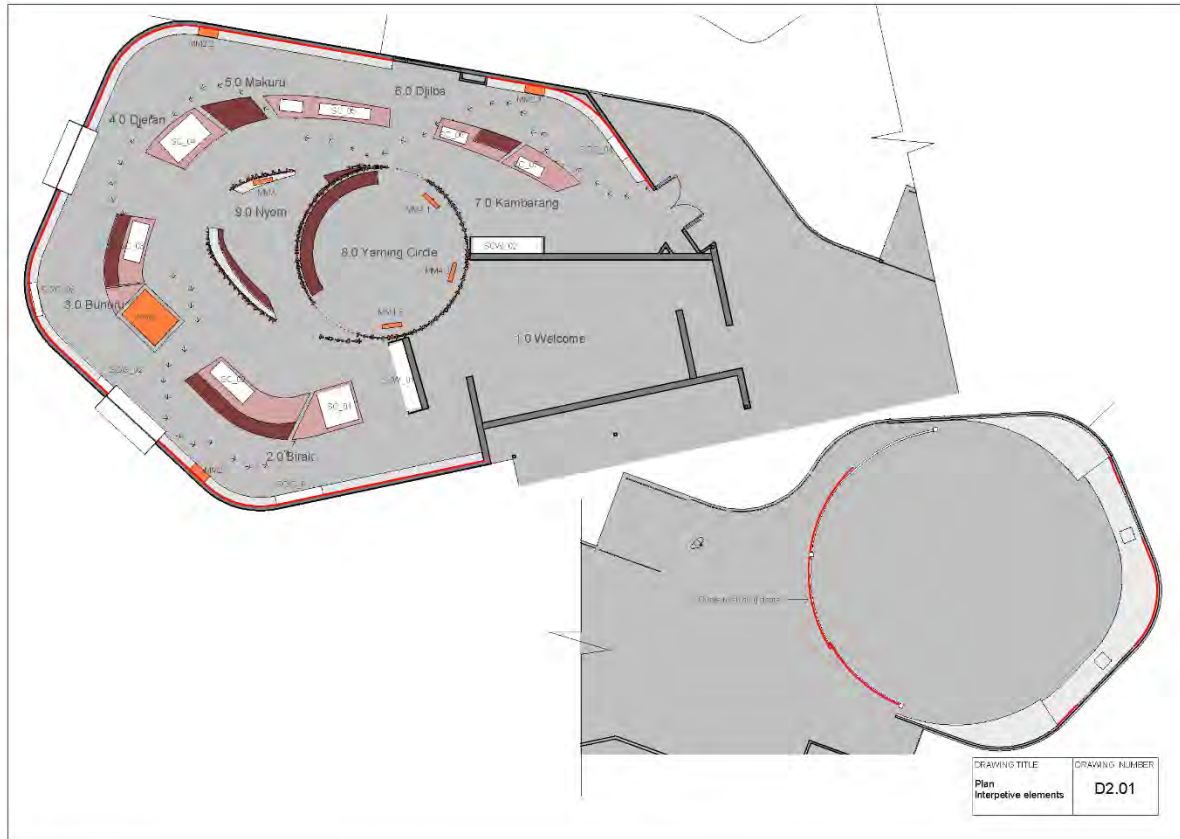
##### Archival access point (Currently outside the scope)

A dedicated archival access computer is suggested outside the interpretive space. A place where visitors can access further information and resources if they are interested. This could contain links to the NRM website research portal, and also links to archives such as the Storylines website. This links the interpretive content of this exhibition space with a living archive of Balladong Noongar culture.



Materiality: reference imagery

3D DEVELOPED DESIGN  
 Drawings/elevations



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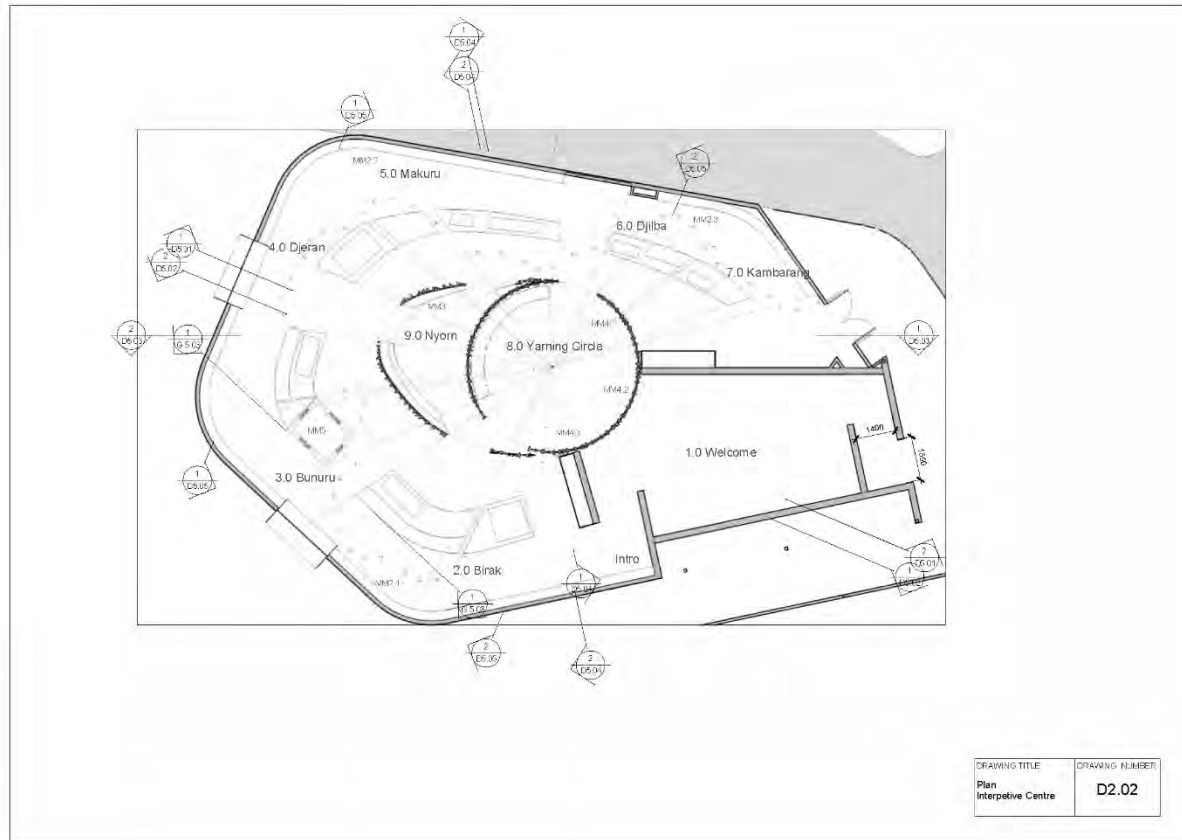
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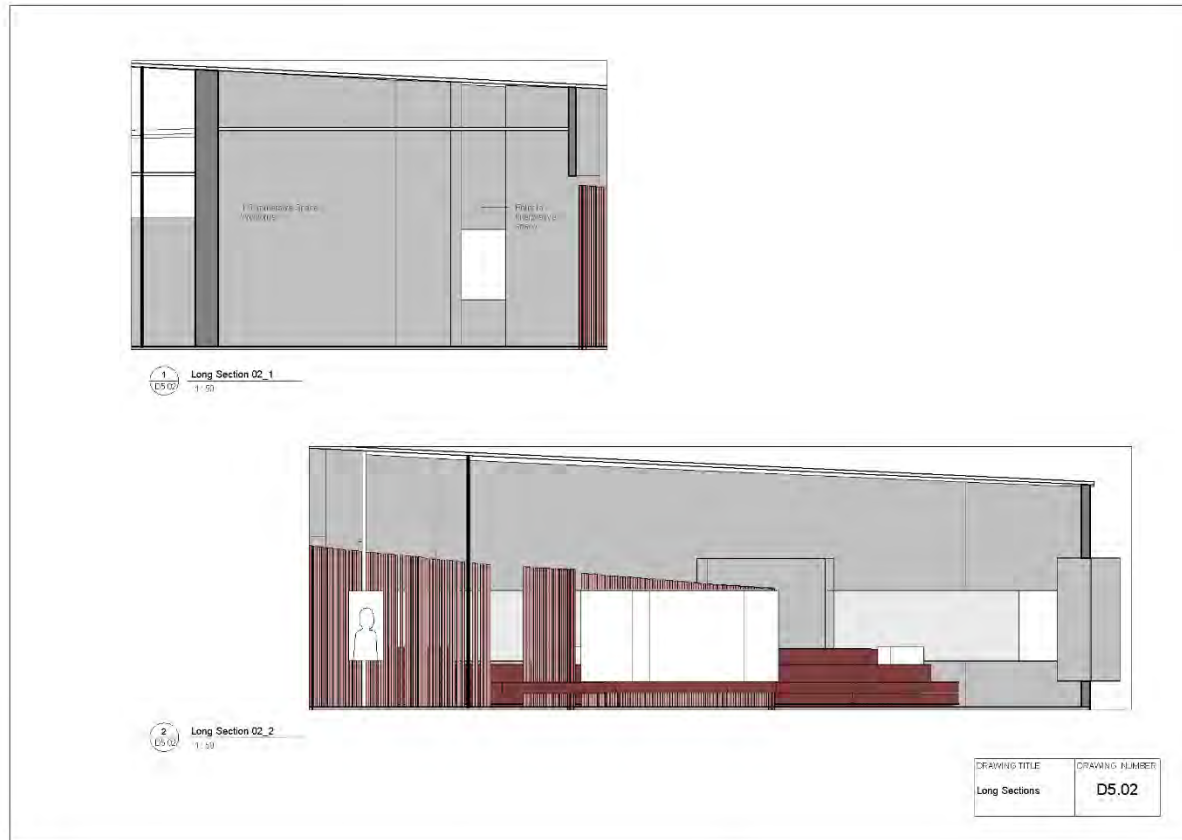
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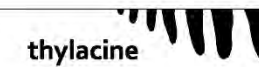
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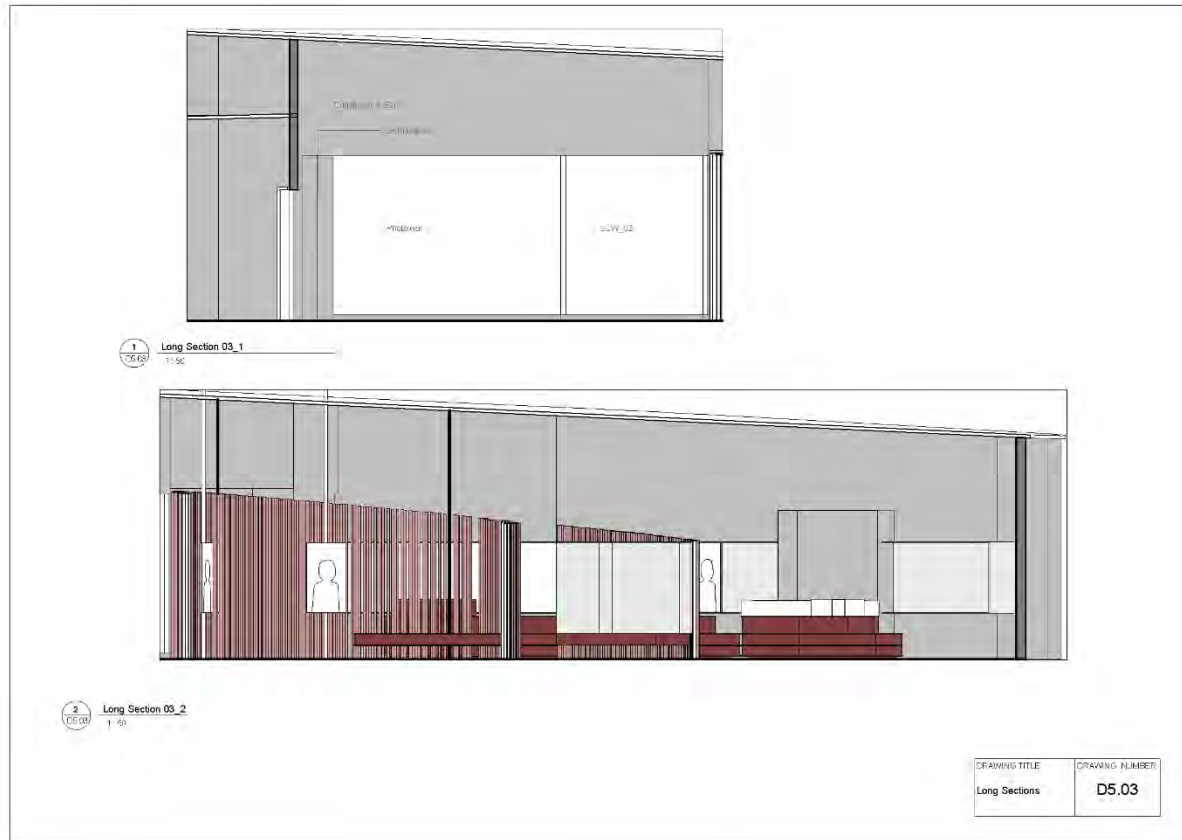
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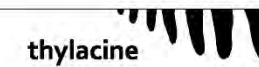
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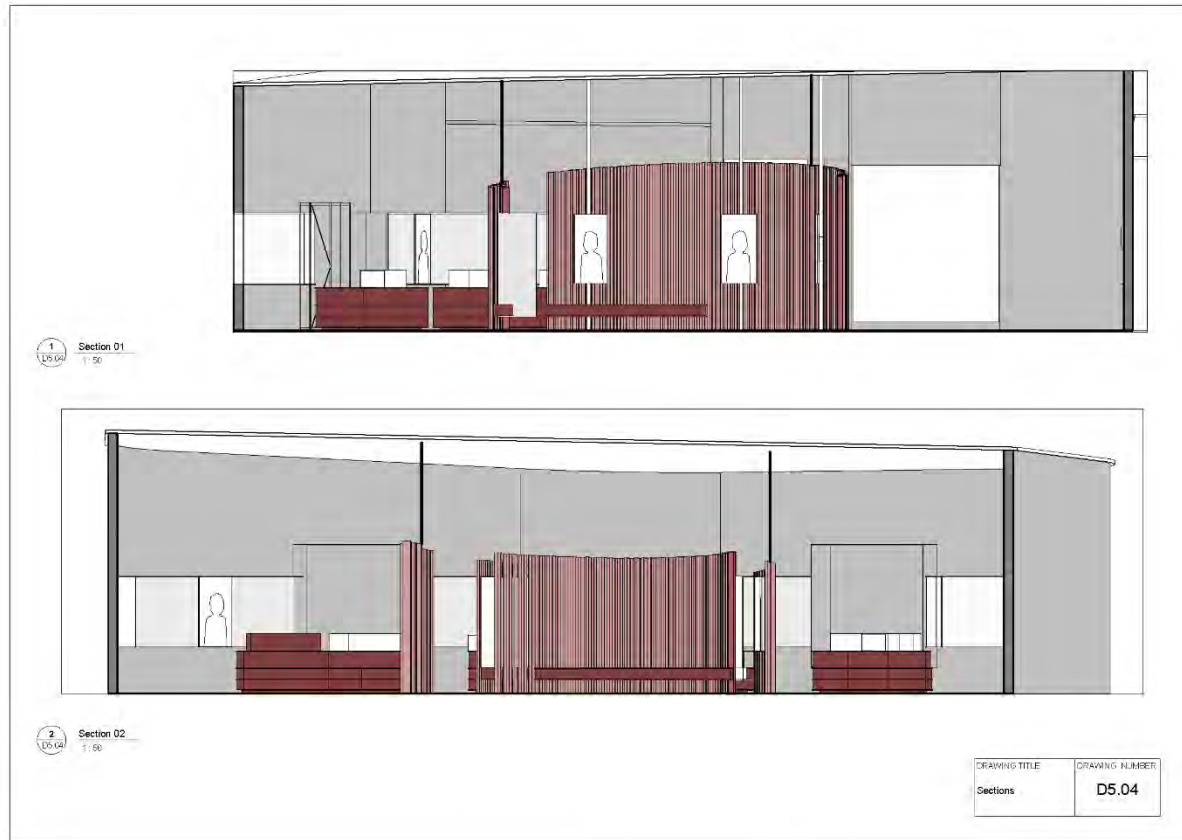
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 2D DESIGN: MO, MD  
 DATE: 05/04/17  
 SCALE: NOT TO SCALE

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MELBOURNE  
 Level 1, 19 Dickmann St  
 Richmond VIC 3121  
 P +61 3 9427 9779  
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3D DEVELOPED DESIGN  
 Drawings/elevations




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DEVELOPED DESIGN  
 NORTHAM ENVIRONMENTAL & ABORIGINAL  
 CENTRE  
 ISSUE NO: 01

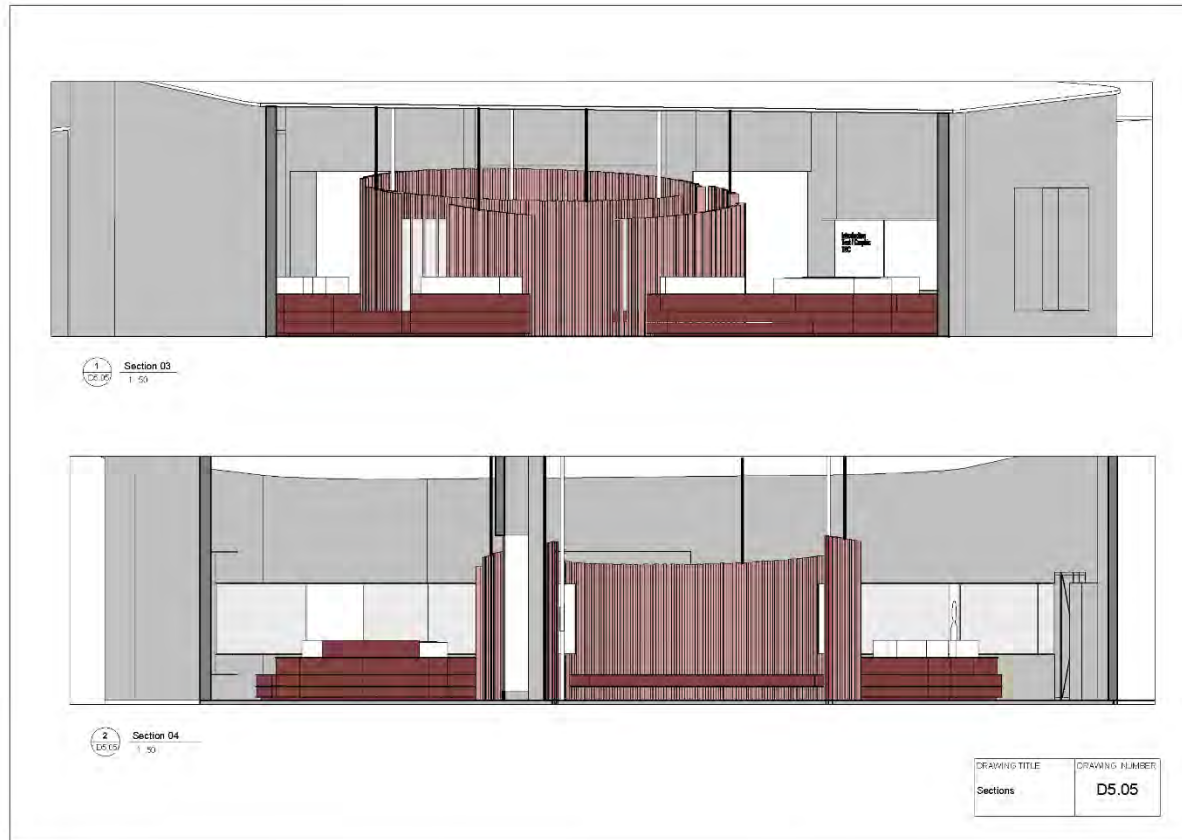
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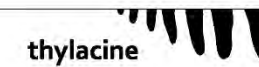
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DEVELOPED DESIGN  
 NORTHAM ENVIRONMENTAL & ABORIGINAL  
 CENTRE  
 ISSUE NO: 01

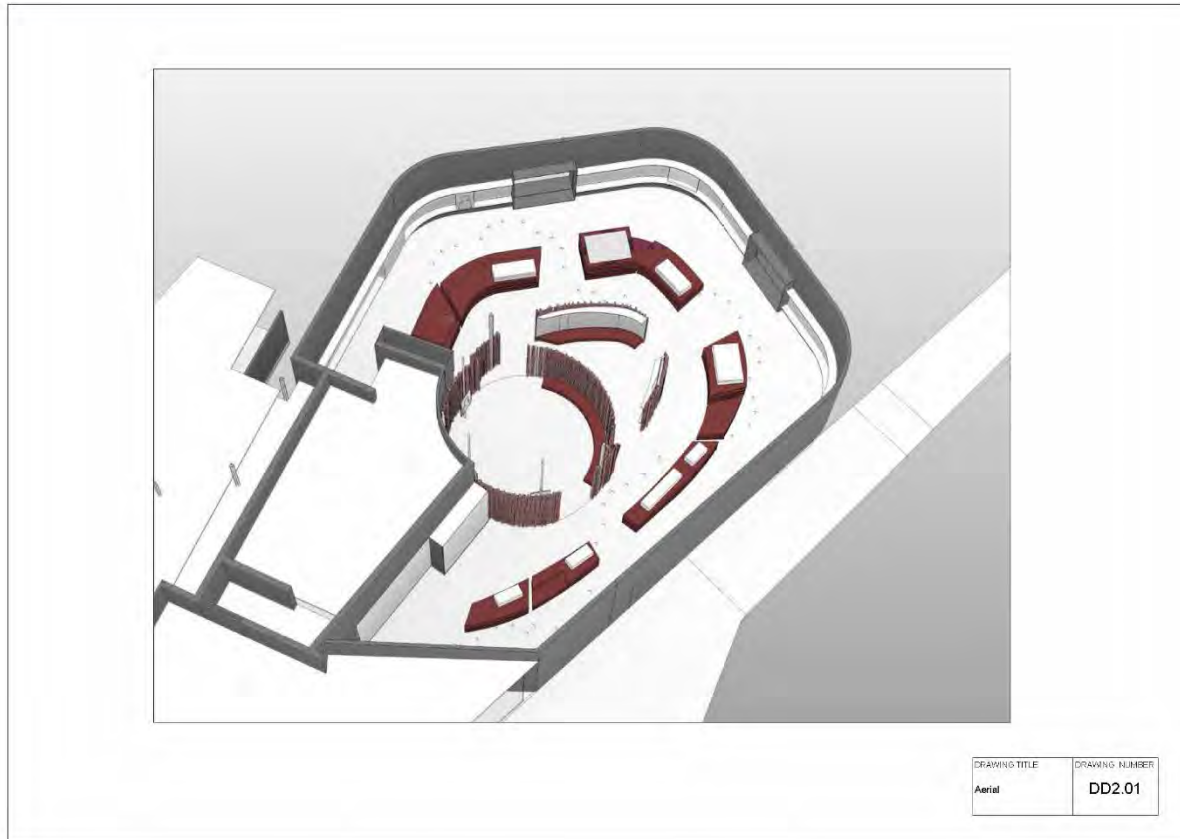
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Drawings/elevations



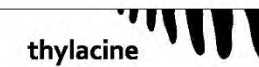
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DEVELOPED DESIGN  
NORTHAM ENVIRONMENTAL & ABORIGINAL  
CENTRE  
ISSUE NO: 01

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3D DEVELOPED DESIGN  
Drawings/elevations

**OBJECTS**

Use items that represent the 3D OBJECTS TO BE CONSIDERED IN THE 3D DEVELOPED DESIGN

Object	Material	Form	Dimensions	Notes
2.01 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.02 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.03 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.04 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.05 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.06 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.07 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.08 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.09 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.10 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.11 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.12 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.13 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.14 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.15 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.16 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.17 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.18 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.19 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.20 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C
2.21 2.0 Brak	Wood	Box	1.8m x 1.8m x 1.8m	Option B at C

**CONTENT**

Object	Description	Notes
2.0 A	2.0 Brak	Option B at C
2.0 B	2.0 Brak	Option B at C
2.0 C	2.0 Brak	Option B at C
2.0 D	2.0 Brak	Option B at C
2.0 E	2.0 Brak	Option B at C
2.0 F	2.0 Brak	Option B at C
2.0 G	2.0 Brak	Option B at C
2.0 H	2.0 Brak	Option B at C
2.0 I	2.0 Brak	Option B at C
2.0 J	2.0 Brak	Option B at C
2.0 K	2.0 Brak	Option B at C
2.0 L	2.0 Brak	Option B at C
2.0 M	2.0 Brak	Option B at C
2.0 N	2.0 Brak	Option B at C
2.0 O	2.0 Brak	Option B at C
2.0 P	2.0 Brak	Option B at C
2.0 Q	2.0 Brak	Option B at C
2.0 R	2.0 Brak	Option B at C
2.0 S	2.0 Brak	Option B at C
2.0 T	2.0 Brak	Option B at C
2.0 U	2.0 Brak	Option B at C
2.0 V	2.0 Brak	Option B at C
2.0 W	2.0 Brak	Option B at C
2.0 X	2.0 Brak	Option B at C
2.0 Y	2.0 Brak	Option B at C
2.0 Z	2.0 Brak	Option B at C

DRAWING TITLE	DRAWING NUMBER
2.0 Brak	G 5.02

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DEVELOPED DESIGN  
NORTHAM ENVIRONMENTAL & ABORIGINAL  
CENTRE  
ISSUE NO: 01

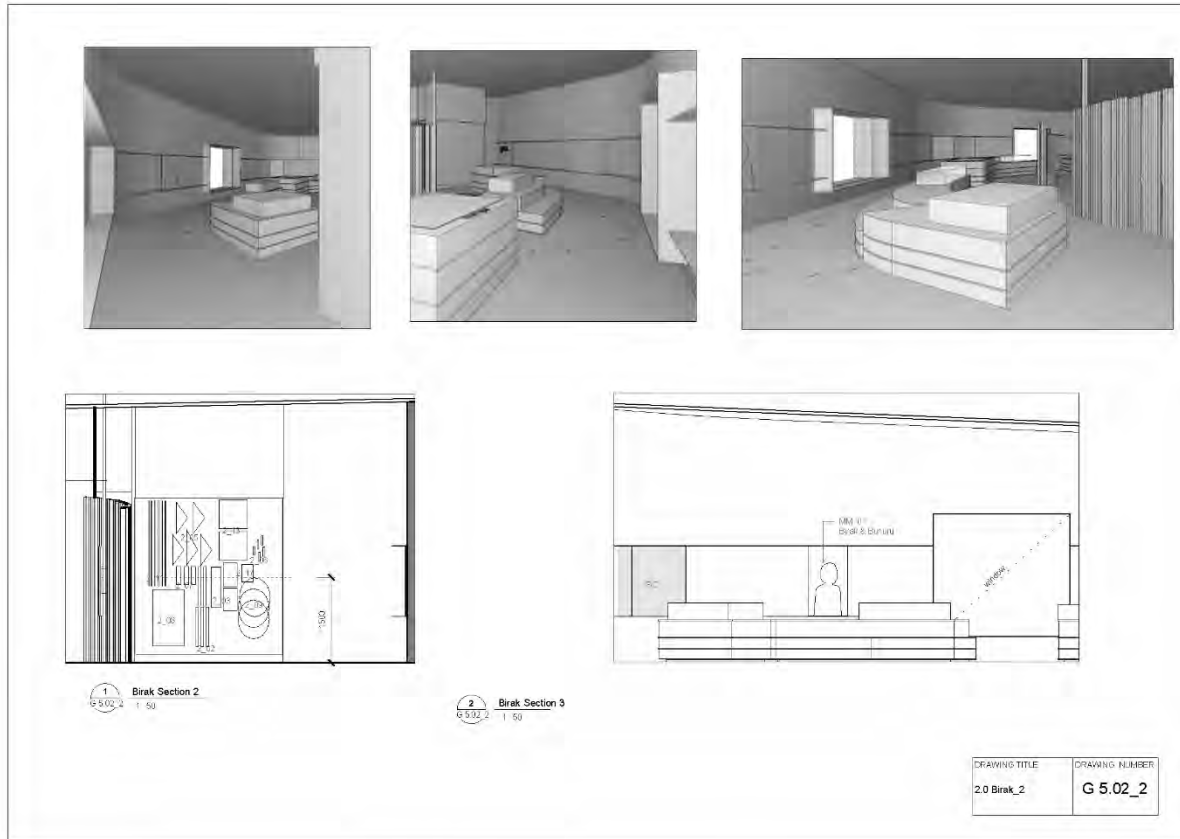
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2D DESIGN: MO, MD  
DATE: 05/04/17  
SCALE: NOT TO SCALE

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3D DEVELOPED DESIGN  
 Drawings/elevations



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DEVELOPED DESIGN  
 NORTHAM ENVIRONMENTAL & ABORIGINAL  
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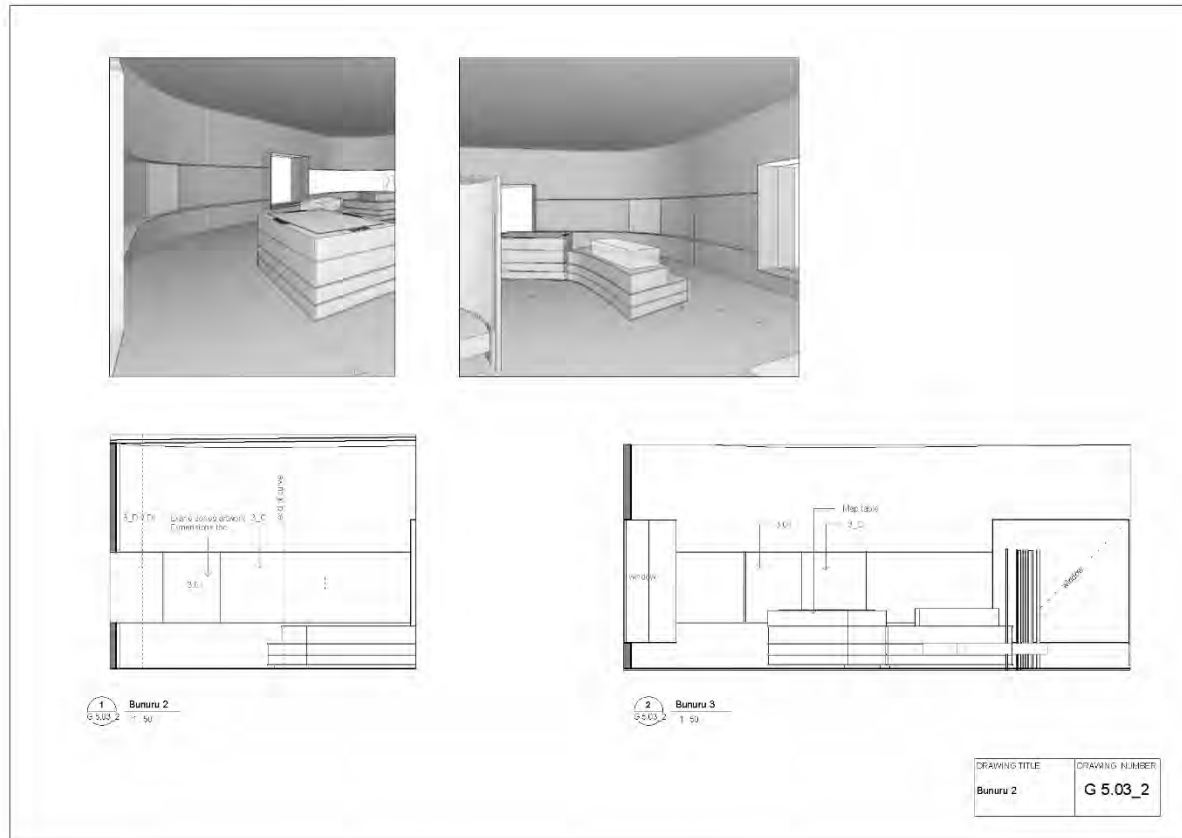
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3D DEVELOPED DESIGN  
 Drawings/elevations



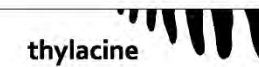
24

DEVELOPED DESIGN  
 NORTHAM ENVIRONMENTAL & ABORIGINAL  
 CENTRE  
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3D DESIGN: MB  
 2D DESIGN: MO, MD  
 DATE: 05/04/17  
 SCALE: NOT TO SCALE

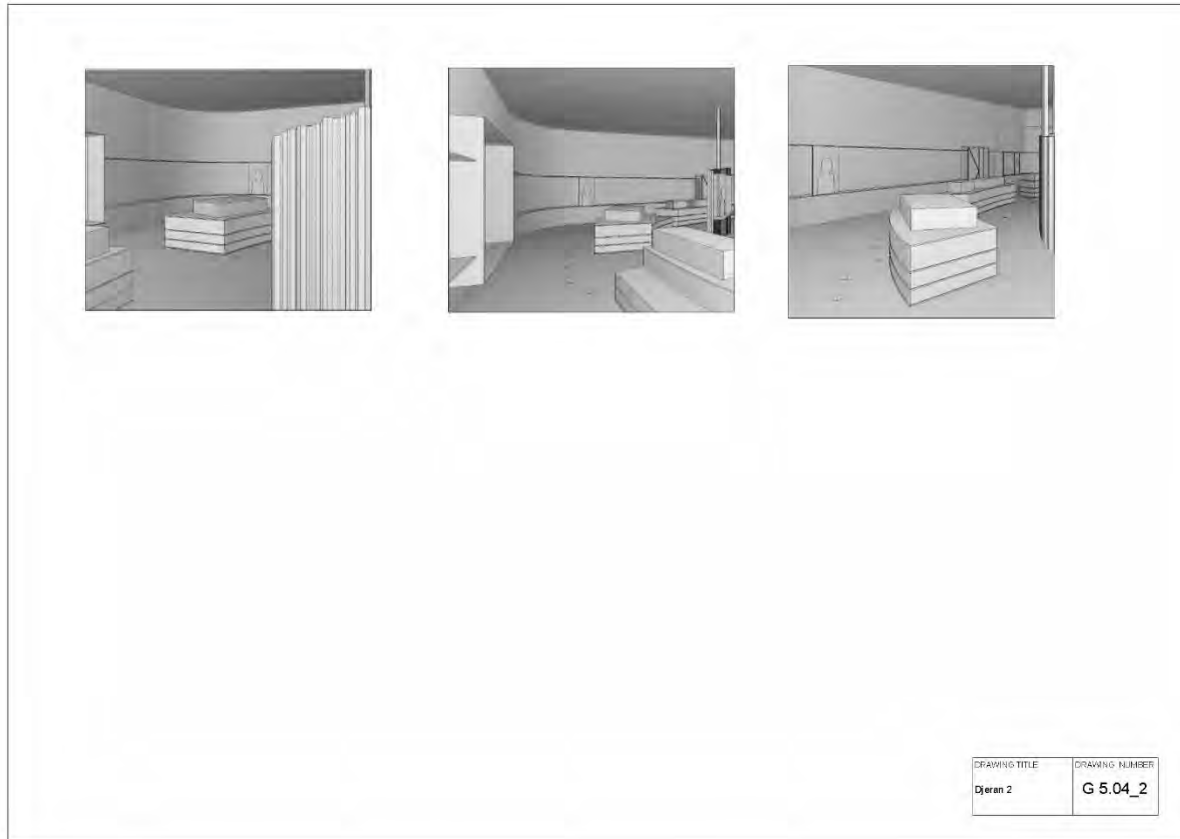
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3D DEVELOPED DESIGN  
Drawings/elevations



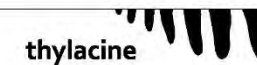
26

DEVELOPED DESIGN  
NORTHAM ENVIRONMENTAL & ABORIGINAL  
CENTRE  
ISSUE NO: 01

3D DESIGN: MB  
2D DESIGN: MO, MD  
DATE: 05/04/17  
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Queanbeyan NSW 2620  
P +61 2 6299 7340  
E canb@thylacine.com.au

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3D DEVELOPED DESIGN  
 Drawings/elevations

OBJECTS					
#	Object	Attribute	Value	Style	Layer
5_01	Wall Elevation / Traditional	Range of style		TRM	OPTR (A, B) or C only
5_02	Yongga elevation / Traditional	Range of style			OPTR (A, B) or C only

CONTENT			
#	Content/Topic/Title	Description	Status / Issue
5_A	Iron post	Comments: none of iron season. Early season. Time to get iron. This is usually the worst part of the year. The rain comes on and the water resource is scarce. Cold and dry.	
5_B	Exterior story	Comments: none of iron season. Time to get iron. This is usually the worst part of the year. The rain comes on and the water resource is scarce. Cold and dry.	
5_C	Interior story	Comments: none of iron season. Time to get iron. This is usually the worst part of the year. The rain comes on and the water resource is scarce. Cold and dry.	
5_D	Iron	Comments: none of iron season. Time to get iron. This is usually the worst part of the year. The rain comes on and the water resource is scarce. Cold and dry.	

DRAWING TITLE	DRAWING NUMBER
5.0 Makuru	G 5.05

3D DEVELOPED DESIGN  
Drawings/elevations

#	Object	Approved	May 17	Scale	Date	Level
1.1	Entrance & features			1:50	17/04/17	Level 1
1.2	Entrance canopy			1:50	17/04/17	Level 1
1.3	Woven fabric screen (L & R) (2017)			1:50	17/04/17	Level 1

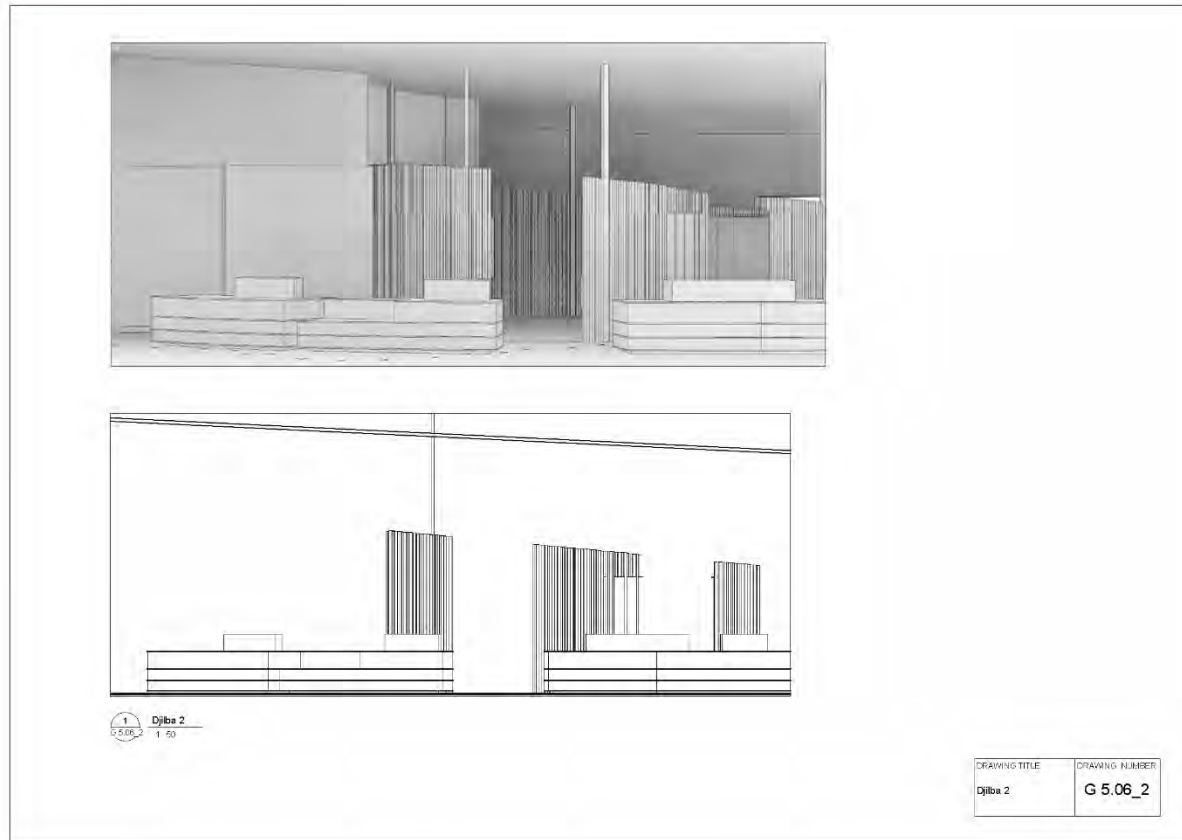
  

#	Content	Approved	May 17	Scale	Date
C.1	Entrance			1:50	17/04/17
C.2	Entrance canopy			1:50	17/04/17
C.3	Woven fabric screen (L & R) (2017)			1:50	17/04/17

DRAWING TITLE	DRAWING NUMBER
6.0 Djiba	G 5.06

3D DEVELOPED DESIGN  
 Drawings/elevations



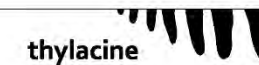
29

DEVELOPED DESIGN  
 NORTHAM ENVIRONMENTAL & ABORIGINAL  
 CENTRE  
 ISSUE NO: 01

3D DESIGN: MB  
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 SCALE: NOT TO SCALE

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 PO Box 760  
 Queanbeyan NSW 2620  
 P +61 2 6299 7340  
 E canb@thylacine.com.au

MELBOURNE  
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 Richmond VIC 3121  
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3D DEVELOPED DESIGN  
Drawings/elevations

**1**  
Kambarang  
1:50

**2**  
7.0 Kambarang  
1:50

Object	Material	Finish	Form	Frame	Notes
7_01	South Western Ripply	Simple kambarang skin	TBL		Use as for kambarang skin collecting
7_02	Campanile Slatted	Simple kambarang skin	TBL		Used to carry using items over the site/tables
7_03	Warrumbidgee Slatted	Simple kambarang skin	TBL		Used for storage to 25 items, slatted, oval, on axis
7_04	Shelving Slatted	Slatted	TBL		Used for carrying slatted to make slatted, slatted and slatted
7_05	Nilsen Slatted	Slatted	TBL		Human car
7_06	Carrying Dish	Wood	TBL		Used to place to be collected by woman

#	Content	Description	Notes	Scale	Notes
T.A.	Introduction	Season of the Old Season Kambarang Women Line Introduction of a season by Elder of the Winny McHenry / Basil Winner / Frank Picket / Veronica McGuire. Season of the Old Season of Kambarang			
T.B.	Introduction	Season of the Old Season Kambarang Women Line Introduction of a season by Elder of the Winny McHenry / Basil Winner / Frank Picket / Veronica McGuire. Season of the Old Season of Kambarang			
T.C.	Introduction	Season of the Old Season Kambarang Women Line Introduction of a season by Elder of the Winny McHenry / Basil Winner / Frank Picket / Veronica McGuire. Season of the Old Season of Kambarang			

DRAWING TITLE	DRAWING NUMBER
7.0 Kambarang	G 5.07

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CENTRE  
ISSUE NO: 01

3D DESIGN: MB  
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DATE: 05/04/17  
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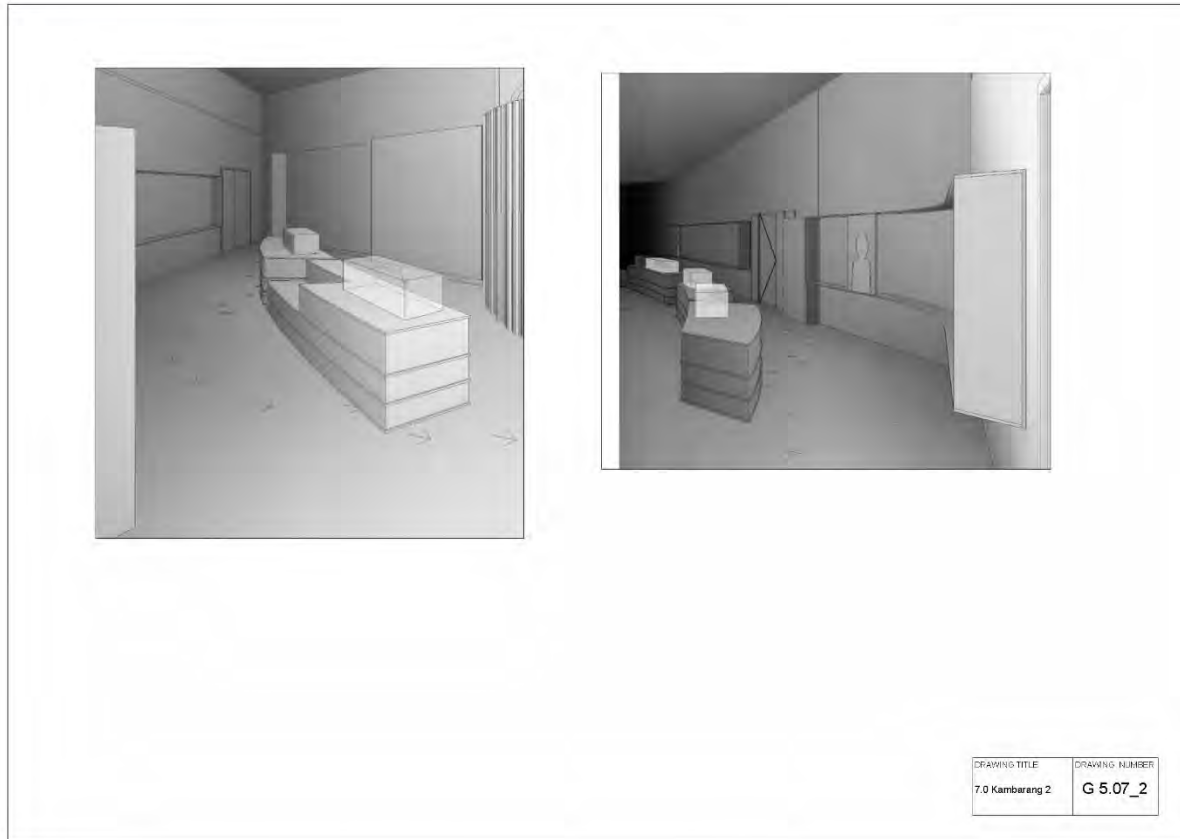
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3D DEVELOPED DESIGN  
Drawings/elevations



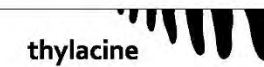
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DEVELOPED DESIGN  
NORTHAM ENVIRONMENTAL & ABORIGINAL  
CENTRE  
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3D DESIGN: MB  
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3D DEVELOPED DESIGN  
Drawings/elevations

**1** 8.0 Section 1  
1:50

**2** 8.0 Section 2  
1:50

**3** 8.0 Section 3  
1:50

**4** 8.0 Section 4  
1:50

**5** 8.0 Nyom / Sory space / Healing space  
5m

**CONTENT**

#	Content / Detail Title	Concept page	Location	Scale	Notes
E.2	Interior				
E.1	Aboriginal Act of 1906 and other government regulation of Noongar peoples lives				In the absence of DUBZEN 1906, the Aboriginal Act of 1906 was notified. It was an act that governs the lives of all Aboriginal people in WA for many 10 years. Consider the position of anthropologist of Noongar people. Position providing data, leads to from 1944 onwards. Age is 150 years.
	1906 Act / Government control				Noongar people resulting from the 1906 Act. 1906 Act / Government control. Document that tell the story of Noongar people. Was a very theoretical. Government to tell the story. Noongar people. 1906 Act / Government control.
	Stolen Generation / Mission days				One McQuinn had tracked down documents relating to a local family. Regarding permission to give them a plot in hospital and a building. Permission to take a house. Other an analysis of State Records.
	1933 Removal of all Noongar people from Northam				Documents of each individual to be written in a book.

DRAWING TITLE	DRAWING NUMBER
8.0 Nyom / Sory space / Healing space	G 5.08

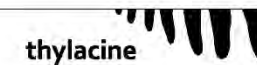
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NORTHAM ENVIRONMENTAL & ABORIGINAL  
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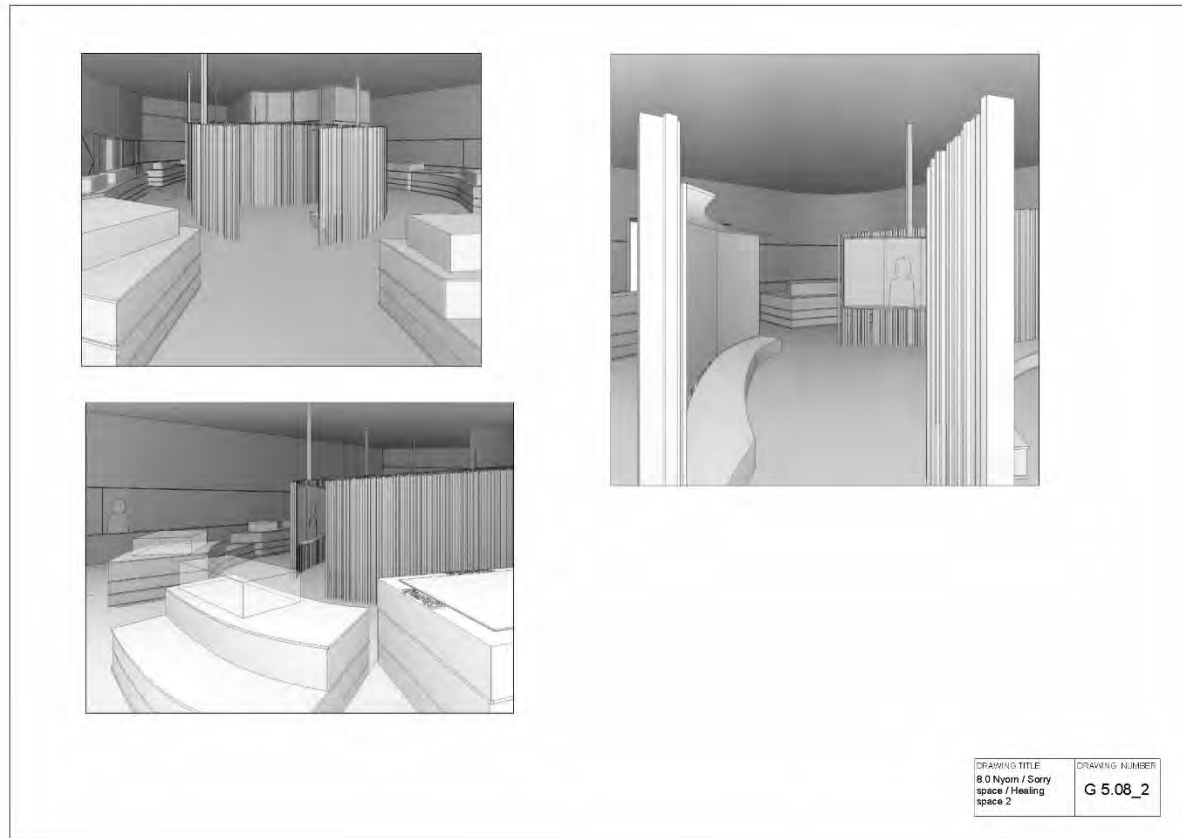
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3D DEVELOPED DESIGN  
 Drawings/elevations



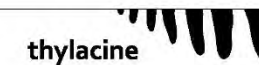
33

DEVELOPED DESIGN  
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3D DEVELOPED DESIGN  
 Drawings/elevations

**1** 9.0 Conclusion  
 1:50

**2** Conclusion  
 1:50

DRAWING TITLE	DRAWING NUMBER
Conclusion	G 5.09

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DEVELOPED DESIGN  
 NORTHAM ENVIRONMENTAL & ABORIGINAL  
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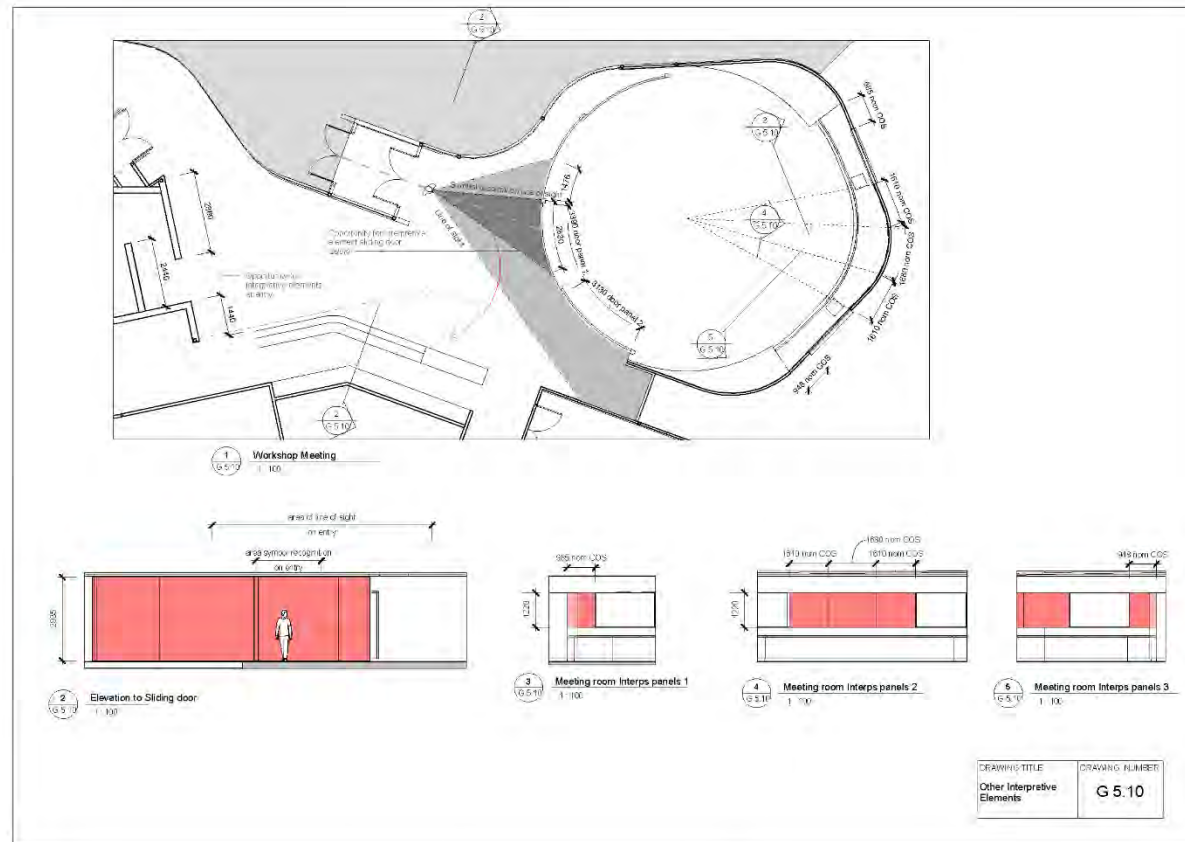
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3D DEVELOPED DESIGN  
 Drawings/elevations



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3D DEVELOPED DESIGN  
 Materiality/imagery

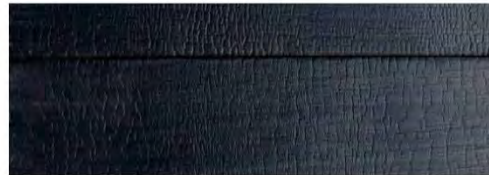
Materiality: reference imagery



Example of text applied to battens, 1933 Memorial



Example of colour introduced into joinery - Option 2 (not in current scope)



Example of burnt timber finish - Option 3 (not in current scope)



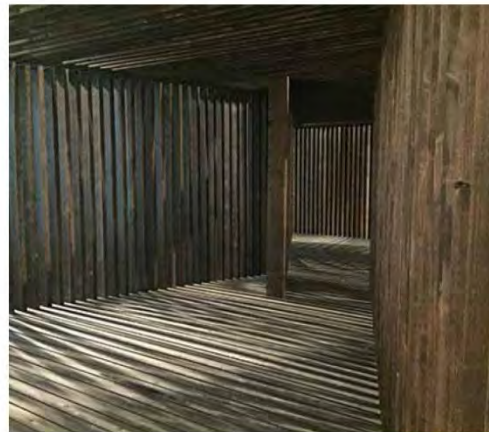
Example of branded Jarrah for 1933 Memorial



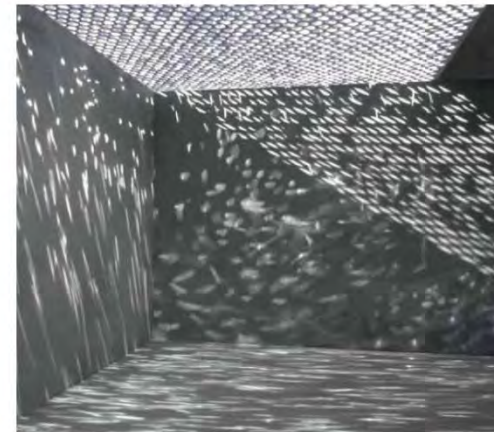
Example of animal skin over seating



Example of branded Jarrah



Example 1 of shadow effect in Yarning Circle



Example 2 of shadow effect in Yarning Circle

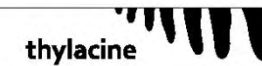
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DEVELOPED DESIGN  
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# NORTHAM ENVIRONMENTAL AND ABORIGINAL INTERPRETIVE CENTRE 2D DESIGN: DEVELOPED DESIGN PACKAGE

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DEVELOPED DESIGN  
NORTHAM ENVIRONMENTAL & ABORIGINAL  
CENTRE  
ISSUE No: 01

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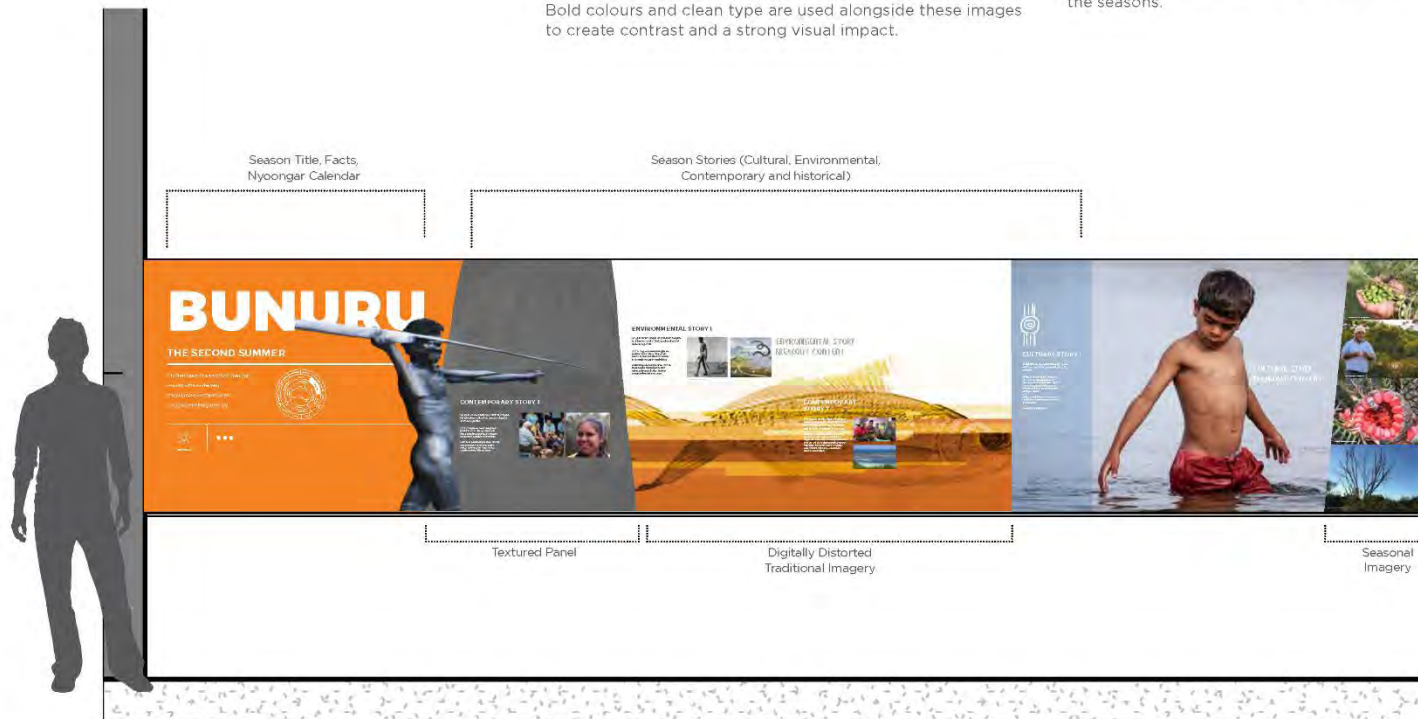
thylacine 

2D DEVELOPED DESIGN  
 Design summary and rationale

The graphic approach takes traditional imagery and uses digital distortion techniques to create a more contemporary look for them. Imagery has been inspired by a 'punk' aesthetic using roughly created visuals.

Bold colours and clean type are used alongside these images to create contrast and a strong visual impact.

Each season is introduced with bold text headings followed by a short outline of seasonal themes, written in Noongar and English. Consistent graphic styling is used throughout the seasons with colour and content changes indicating the changes of the seasons.



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DEVELOPED DESIGN  
 NORTHAM ENVIRONMENTAL & ABORIGINAL  
 CENTRE  
 ISSUE NO: 01

3D DESIGN: MB  
 2D DESIGN: MO, MD  
 DATE: 05/04/17  
 SCALE: NOT TO SCALE

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 P +61 2 6299 7340  
 E canb@thylacine.com.au

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2D DEVELOPED DESIGN  
**Colour Palette**

BIRAK



BUNURU



DJERAN



MAKURU



DJILBA



KAMBARANG



Colours are used in the graphic panels to create clear changes between seasons; employing a palette of colours that create impact for their respective seasons as well as contrast between them.

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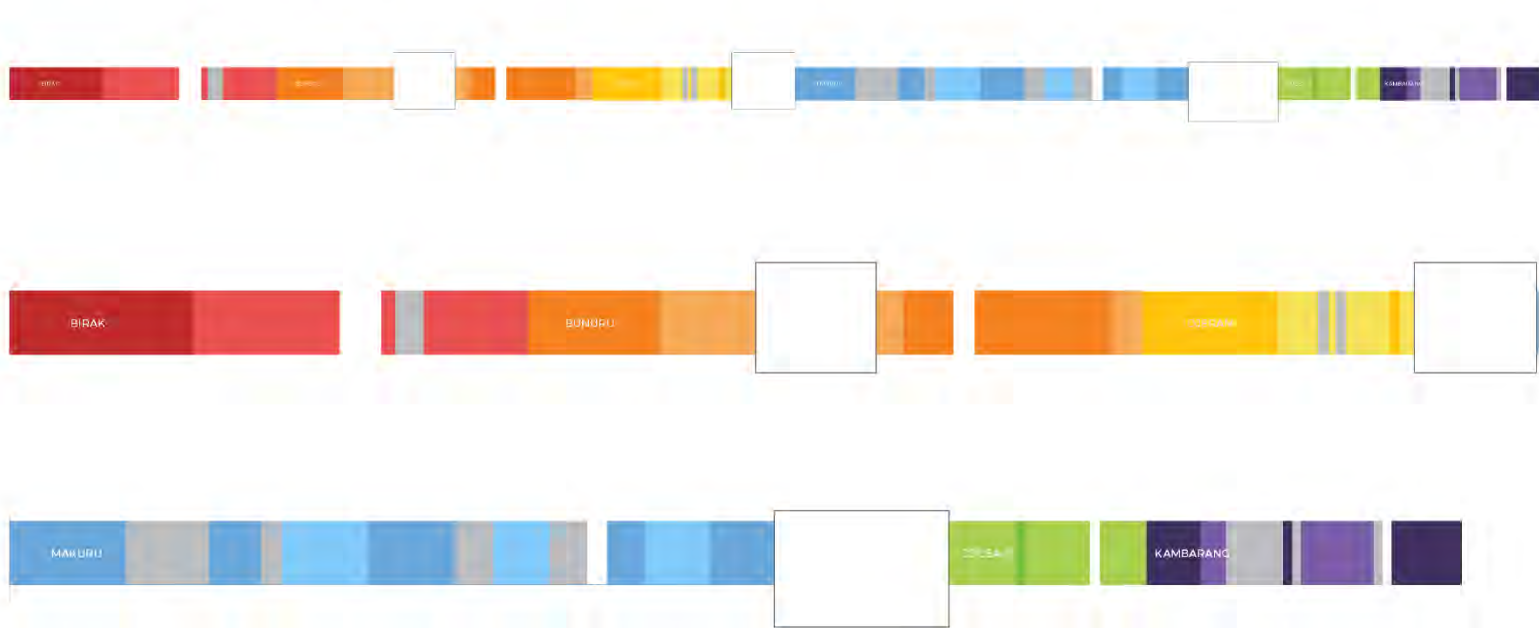
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2D DEVELOPED DESIGN

Colours in Space

Here, the colours of the seasons show how they would flow through the space when applied to the panelling.



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2D DEVELOPED DESIGN  
Typography

**SEASON NAME** ..... Montserrat, Black

**SEASON TITLE 1** ..... Montserrat, SemiBold

**Season info** ..... Montserrat, Bold

*Story Content*

**STORY HEADER** ..... Montserrat, Bold

- ENVIRONMENTAL
- CULTURAL
- HISTORICAL
- CONTEMPORARY

Introduction Paragraph Styls ..... Swis721 BT Roman

Body Copy ..... Swis721 BT Roman

**PULL OUT QUOTE 1** ..... Bananue, Regular

**QUOTE 1** ..... Bananue, Regular

..... Swis721 BT Bold

..... Swis721 BT Light

Fonts have been chosen to reflect the modern and contemporary approach to the Northam visual identity.

Montserrat is a bold, multi-faceted font that creates impact in Titles and Headers within the space. The characters are designed in a way that gives them a block-like appearance, creating large points of visual interest.

Bananue, is used for highlight quote's and pull out information. As an organic brush drawn font it contrasts with the bolder clean edges of Montserrat. This contrast lifts it's presence across the graphic panels to draw the eye and help guide visitors through the content.

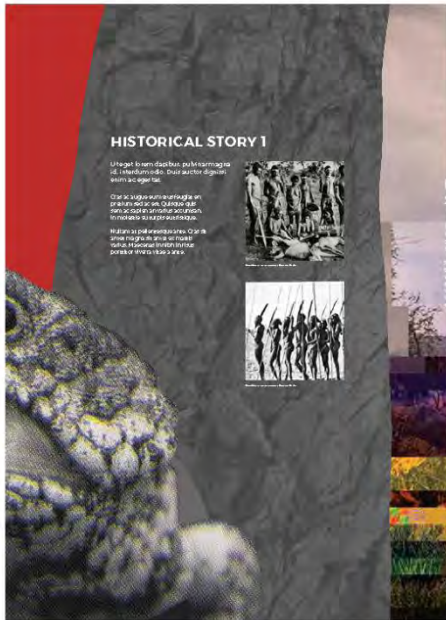
Swiss 721 has been selected for body text for it's legibility and readability. Its clean and simple design creates sections of text that are comfortable to read even at small sizes.

2D DEVELOPED DESIGN

Graphic elements - textures

Throughout the graphic panels, textured sections provide tangible links between Noongar culture and the environment.

These textures also help break up the content and create visual points of interest for visitors to engage with.



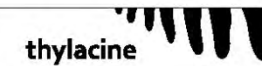
42

DEVELOPED DESIGN  
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2D DEVELOPED DESIGN

Graphic elements - seasonal indicators

Seasons will transition from one to the next through the use of seasonal indicators. Imagery that shows these seasonal changes will be incorporated as texture and/or linework at the meeting points between the seasons.



To Bunuru (from Birak) - Marri tree blossoms.



To Djeran (from Bunuru) - She-oak flowering.



To Makuru (from Djeran) - Black swan molting feathers.



To Djilba (from Makuru) - wildflower season.



To Kambarang - Balga stem flowering.

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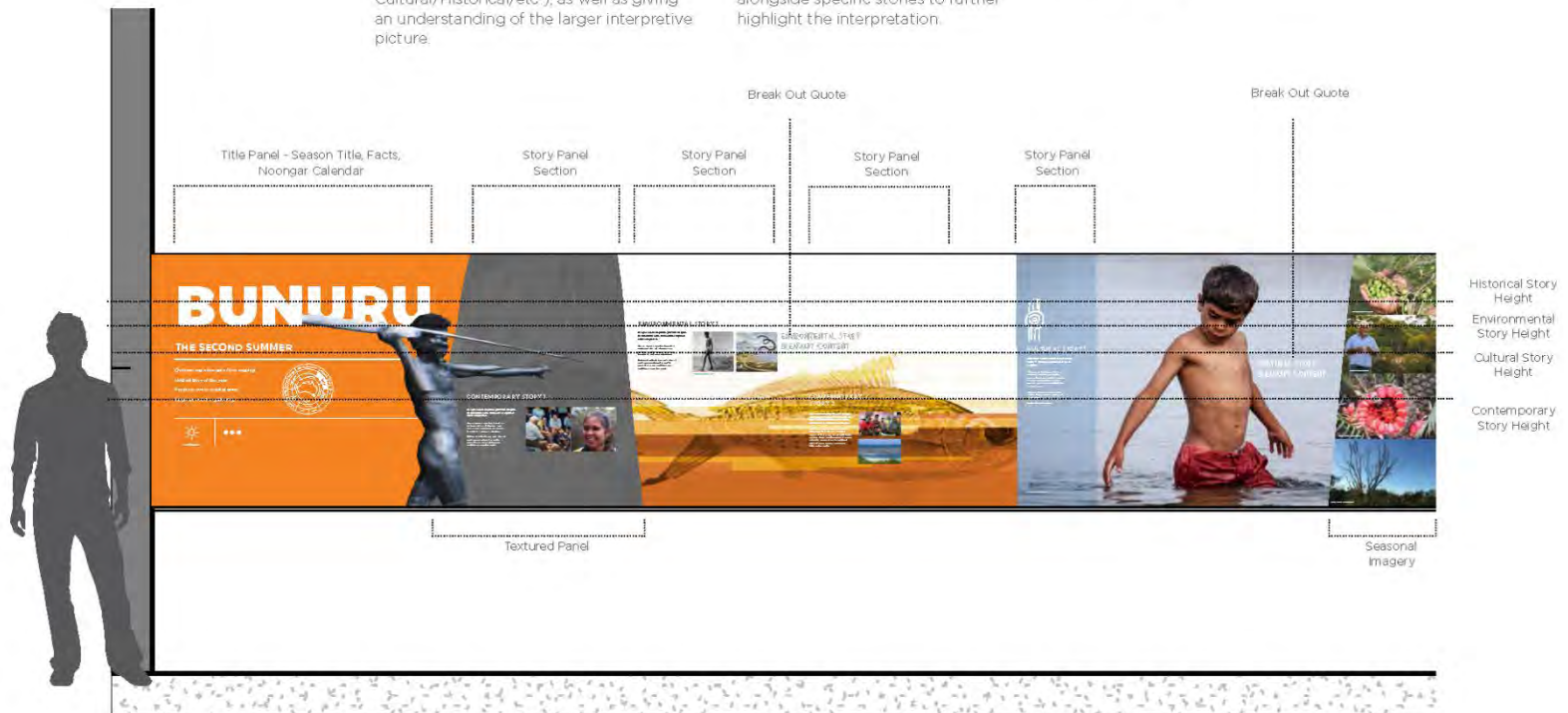
2D DEVELOPED DESIGN  
 Graphic panel hierarchy

Bunuru - Season section

The graphic identity for the exhibition breaks up stories and content by season, theme and colour; thus allowing the viewer to understand both specific stories (i.e. Cultural/Historical/etc.), as well as giving an understanding of the larger interpretive picture.

Hero images are used to introduce the viewer to the larger content themes, and have an immediate visual impact. Additional smaller imagery is used alongside specific stories to further highlight the interpretation.

Stories of the same type, e.g. historical stories, appear at the same reading height along the ribbon to group the content for the viewer.



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2D DEVELOPED DESIGN  
 Graphic panels  
 Bunuru - Season section



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2D DEVELOPED DESIGN

**Graphic panels**

Birak - Season section



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# NORTHAM ENVIRONMENTAL AND ABORIGINAL INTERPRETIVE CENTRE DIGITAL COMPONENTS

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CENTRE  
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PO Box 760  
Queenbeyan NSW 2620  
P +61 2 6299 7340  
E [carb@thylacine.com.au](mailto:carb@thylacine.com.au)

MELBOURNE  
Level 1, 19 Dickmann St  
Richmond VIC 3121  
P +61 3 9427 9779  
E [melb@thylacine.com.au](mailto:melb@thylacine.com.au)

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DIGITAL COMPONENTS

Immersive Welcome - Option A



**Introduction & Welcome to Country**

This is a theatrical Welcome to Country and introduction. As visitors enter the space, they see rippling water on the floor, and surrounding them some tall “trees”. Lighting effects of water rippling play over the floor. The space darkens, stars appear on one wall and are reflected in the other, and a chant and voices in the Balladong language are heard, which is softly translated in English. This will obviously need to be composed in consultation with community elders, but as a guide something like :

“ We are the Balladong people. Our country surrounds the river, from the place of darkness to the place of the menna gum.”

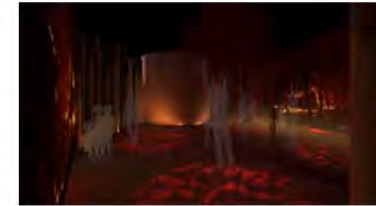
The stars have gently been rotating to form a very rough outline of country.

“Our kin groups are the white cockatoo and the black crow. The spirits of the emu, the kangaroo, the owl...”

The stars on the screen brighten to form the men’s ochre markings that signify each animal. As they assemble, they begin to dance, with singing and clapsticks.

“We are the carers for the river between these points. We welcome all those who come to our country in friendship. Welcome to the six seasons of the Balladong”

As we hear these words the dancers become real, and we see the background of the bush through the window of the screen, and its reflection. We are in country.



**Technical**

- 5 m x 2.5 m projection screen (1/2 wall)
- Mirrored opposite wall
- Synchronised lighting effects
- Audio system
- Basic production

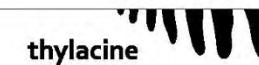
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DIGITAL COMPONENTS

Immersive Welcome - Option B



**Option B (Outside Current Scope)**

Option B adds considerable impact to the space with a second projector to allow the full wall length to become a projection surface, additional lighting, and additional production resources.

This will result in a much greater impact for the visitor, while maintaining and expanding on the storyline.

**Technical**

- 10 m x 2.5 m projection screen (full wall)
- Mirrored opposite wall
- Increased lighting effects
- Audio system
- Advanced production

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DIGITAL COMPONENTS

Immersive Welcome - Option C



**Option C (Outside Current Scope)**

Option C adds further projectors to allow a separate screen for the burning grass tree, coupled with projection mapping on to a life-sized shelter that adds depth, complexity and drama to the Welcome and introductory story.

**Technical**

- 10 m x 2.5 m projection screen (full wall)
- Mirrored opposite wall
- Projected tree burn
- Projection mapped shelter
- Increased lighting effects
- Audio system
- Advanced production

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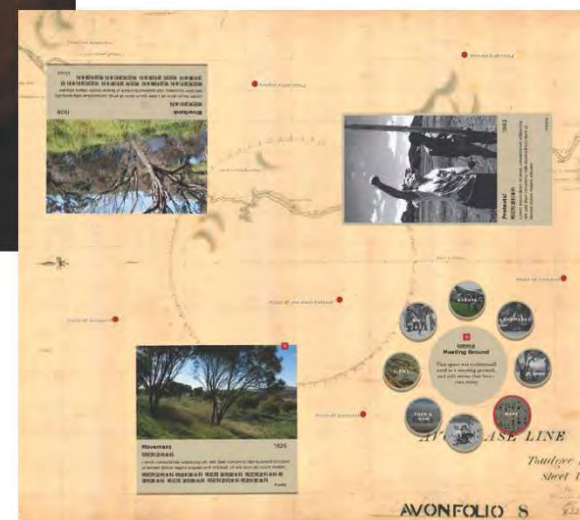
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DIGITAL COMPONENTS

Touch Table



**Places**

The touch table tells place-based stories - what is found at different locations in country, why they are significant, and what they look like.

These stories take several forms - in some cases, they may be images and written text, in other cases a slideshow, or yet others may be video content telling a story about the location.

**Technical**

- 2 x 55in monitors
- Touch interface

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DIGITAL COMPONENTS

Monitors

Seasons Montiors

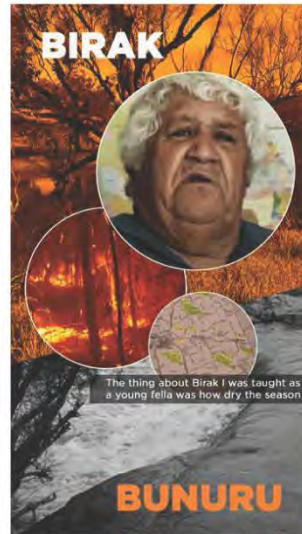
Three monitors are located at the points where the seasons change on the graphic ribbon.

OPTION A

For option A, the monitors run a linear video that tells stories of each of the seasons, and the transitiions of weather and place between them.

OPTION B (outside current scope)

Allows for touch screens and a greater amount of content on each screen.



OPTION A - layers of graphics, interviews and footage over animated backgrounds. The background boundary moves to indicate the changing of the seasons and the passage of time. Current season is in colour



OPTION B - gives visitors the option of selecting from a menu of stories and information on screen.

Sorry Montiors

OPTION A

Includes one touch screen Sorry Monitor, which allows visitors to select stories.

OPTION B (outside current scope)

Allows for two interactive touch-screen Sorry monitors.

DIGITAL COMPONENTS

Audio - Options



Operates via NFC pads or QR codes



Charging station

Audio

While broadcast audio is one option, a full audio guide that includes language is preferable. Given the capital constraints of the project, a possible solution may be something like the Guided system. This uses small, simple "Podcatcher" units that can be touched against NFC hotspots positioned around the exhibition, and then plays the appropriate guide track.

These are relatively simple to use and operate, and the business model of the company is a pay-per-use, so there is minimal capital outlay (production costs only).

The company supplies the hardware under contract and charges a pay-per-use, which is monitored over a web connection. Updating is similarly via web browser, so is sustainable.

This has the potential to be a source of revenue for the shop, with possible council subsidies for locals. An app is also available for the hearing impaired.

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DIGITAL COMPONENTS

Yarning Circle - Option A



**Option A**

Option A of the yarning circle provides basic lighting and production for 3 monitors in the space. Production for 3-4 groups is included however this is likely to be fairly basic. The circle is a conversation between three people about various issues, and will be lively but respectful.

Different age groups will be represented, and a variety of different topics for conversation have been identified.

**Technical**

- 3 x monitors, non-interactive
- Basic Lighting
- Basic production

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DIGITAL COMPONENTS

Yarning Circle - Option B



Option B (Outside Current Scope)

Option B allows for synchronised theatrical lighting effects in the space, and potentially the addition of a fourth monitor (this is not costed currently however).

Importantly, the production budget now allows for increased shoot duration and / or some special effects and graphics in the programs.

Technical

- 3 x monitors, non-interactive
- Synchronised lighting effects
- Better production


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### 12.5.3 Application for Fee Waiver - Pipeline Challenge

<b>Address:</b>	Northam Recreation Centre
<b>Owner:</b>	Shire of Northam
<b>File Reference:</b>	1.3.16.4
<b>Reporting Officer:</b>	Ross Rayson Executive Manager Community Services
<b>Responsible Officer:</b>	Ross Rayson Executive Manager Community Services
<b>Voting Requirement</b>	Simple Majority

#### BRIEF

For Council to consider a waiver of fees for the use of Northam Recreation Centre and Jubilee oval for the Pipeline Challenge, an annual charity mountain bike event conducted by Youth Futures.

#### ATTACHMENTS

Attachment 1: Letter requesting Fee Waiver.

#### BACKGROUND / DETAILS

The Pipeline Challenge is an annual charity mountain biking event conducted by Youth Futures, which fund raises for homeless and disadvantaged young people.

The ride follows the golden pipeline from Kalgoorlie to Perth.

The organisers, Youth Futures, are requesting Council waive fees as below:

Description	Start Time	End Time	No of Units	Comments	Start Date	Finish Date	Fee Charged
Event Application Fee				Pipeline Challenge	09/05/2017	10/05/2017	\$ 150.00
HENRY ST OVAL	11:00	11:00		PIPELINE CHALLENGE	09/05/2017	10/05/2017	\$550.00
RECREATION CENTRE Meeting Rooms 1 & 2	18:00	21:50		PIPELINE CHALLENGE	09/05/2017	09/05/2017	\$ 164.50
<b>total</b>							<b>\$864.50</b>

The riders are predicted to arrive in Northam on 9<sup>th</sup> May for an overnight stop before continuing to the finish of the ride on the 10<sup>th</sup> May.

Youth Futures are aiming to raise in excess of \$150,000 from this year's event.

## CONSIDERATIONS

### Strategic Community / Corporate Business Plan

Objective E2: Facilitate further development of regional tourism.

Strategy E2.3: Provide and support local festivals and tourist events.

### Financial / Resource Implications

The fees that Council resolve to waive will represent foregone income. This will be to a maximum of \$864.50.

### Legislative Compliance

Local Government Act 1995, Section 6.12 - Power to defer, grant discounts, waive or write off debts.

### Policy Implications

Nil.

### Stake Holder Engagement / Consultation

Nil.

### Risk Implications

The risk of not waiving the fees is that any costs passed onto the event reduces the amount of potential money raised.

## OFFICER'S COMMENT

This event is becoming a regular event, with the numbers of participants increasing each time. Whilst there is not likely to be a great return on investment for the Shire in waiving of fees, there will still be some exposure from a tourism point of view, and some economic benefit from hosting this event for one day.

### RECOMMENDATION

**That Council agrees to:**

- a. Waive hire fees for Henry St Oval (\$550.00)**
- b. Waive hire fees for Meeting Rooms 1 & 2 (\$164.50)**
- c. Waive event application fee (\$150.00)**

**For Youth Futures to assist with the conduct of the 2017 Pipeline Challenge.**

## Attachment 1



Phone: (08) 9300 2677  
Fax: (08) 9300 1565  
E: [youthfutureswa@youthfutureswa.com.au](mailto:youthfutureswa@youthfutureswa.com.au)  
W: [www.youthfutureswa.com.au](http://www.youthfutureswa.com.au)

ABN 11 124 211 565

Mr Jason Whitaker  
Chief Executive Officer  
Shire of Northam  
395 Fitzgerald Street  
Northam WA 6401

Dear Mr Whitaker,

Following on from our conversation with Brendon Rutter-Community Events Officer, we are writing to seek the waiving of \$650 in event fees and charges for Youth Futures to utilise the Northam Recreation Centre and Oval for the Pipeline Challenge, a charity mountain biking event that hopes to raise over \$150,000 for young people experiencing homelessness and disadvantage.

Established in 1988, Youth Futures provides professional support, accommodation and alternative education services to approximately 4,500 at-risk young people each year. The funds raised from the Pipeline Challenge will provide our organisation with financial security and the opportunity to expand our services.

Starting from Kalgoorlie on Saturday 6<sup>th</sup> May 2017, the Pipeline Challenge will trace the iconic Goldfields Pipeline through Coolgardie, Southern Cross, Merredin and Northam, finishing in the Perth's Hills on Wednesday 10<sup>th</sup> May 2017.

Not only will the Pipeline Challenge be raising vital funds for disadvantaged and at-risk young people, but it will provide a great opportunity to increase the profile of Northam and its surrounds to people who may not otherwise see what the region has to offer.

We are very excited at the prospect of working with the Shire of Northam on this unique charity event and we thank you for taking the time to consider our request.

Please note we are also happy to provide any additional information that will aid the Shire in making an informed decision.

Kind regards,



Mark Waite  
Chief Executive Officer

Joondalup Lotteries House  
Suite 1  
70 Davidson Terrace  
Joondalup WA 6027



Suite 4B, 18 Main Street,  
Osborne Park WA 6017  
PO Box 211, Osborne Park WA 6017

Mark Waite  
Youth Futures WA Inc.  
1 / 70 Davidson Terrace  
JOONDALUP WA 6027

Date : 28.06.16  
Invoice No: 11089577  
Reference : SRG INS Y9703  
Tel: 08 6142 8888  
Fax: +61 8 9444 9111  
Email: info@insurewest.com.au  
Web: www.insurewest.com.au

**CERTIFICATE OF INSURANCE**

**Class:** Liability Insurance  
**Insurer:** BERKLEY INSURANCE AUSTRALIA  
PO Box Q296  
QVB NSW 1230  
**Period:** 30.06.2016 to 30.06.2017  
**Policy No:** 201506-0833 BIA

We confirm insurance has been arranged in accordance with the details shown below and subject to the premium having been paid.

**PUBLIC & PRODUCTS LIABILITY**

**NAME OF INSURED:**  
Youth Futures WA Inc., The Comet Care School Trust and all related  
and/or subsidiary companies as defined under the Australian Corporations  
Law and/or financiers and all parties for whom the Insured undertakes  
to insure for their respective rights and interests.

**INSURED ABN:** 11 124 211 565  
**GST REGISTERED:** Yes  
**ITC:** 100%

**PRINCIPAL ADDRESS:**  
70 Davidson Terrace, JOONDALUP WA 6027

**BUSINESS DESCRIPTION:**  
Principally provision of services to youth who are homeless or  
disadvantaged including education, training, emergency relief and  
mentoring and any other activity incidental thereto.

**PERIOD OF INSURANCE:**  
**From:** 4.00pm 30 June 2016  
**To:** 4.00pm 30 June 2017  
**Both Local Standard Time**

**THE COVER:**  
Subject to the Terms & Conditions of this policy & the Limit of

InsureWest Pty Ltd ABN 90 109 499 210 AR No 000443062  
as an Authorised Representative of SRG Group Pty Ltd  
ABN 52 113 333 109 AFS Licence No 288320

**CERTIFICATE OF INSURANCE**

Page No. 2

Youth Futures Wa Inc.  
(SRG INS Y9703 0224116/001)

Indemnity under Section 1 of the Schedule, the Insurer will indemnify the Insured in respect of all sums which they shall become legally liable to pay for Compensation arising from:

- Personal Injury to any person;
- Property Damage other than to Property belonging to the Insured first happening during the Period of Insurance within the Territorial Limits as a result of an Occurrence and in connection with the Business.

**GEOGRAPHICAL LIMITS:**

Worldwide excluding USA & Canada.

**JURISDICTIONAL LIMITS:**

Commonwealth of Australia

**LIMITS OF LIABILITY:**

Public Liability 20,000,000

Any one occurrence & in the aggregate

Products Liability 20,000,000

Any one occurrence & in the aggregate

any one Period of Insurance

**SUBLIMITS**

Molestation 1,000,000

Any one Occurrence & in the aggregate

any one Period of Insurance

Property in Care, Custody & Control 250,000

**DEDUCTIBLE:**

Public & Products Liability 1,000

Each and Every Occurrence, inclusive of costs

**POLICY EXTENSIONS:**

Defense Costs & Expenses

Costs of Court Attendances

Indemnity to Other Persons

Cross Liabilities

**INSURER:**

Berkley Insurance Australia

**POLICY WORDING:**

BIA InsureWest Tailored NFP General Liability G2-2014

**ENDORSEMENTS:**

Molestation Exclusion Sub-Limit \$1,000,000

The Insurer shall not provide Compensation against liability caused by, arising from or in connection with the molestation of or

**CERTIFICATE OF INSURANCE**

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Youth Futures Wa Inc.  
(SRG INS Y9703 0224116/001)

interfering with minors or any other person.  
Furthermore, the Insurer will not have any duty to defend any suit or legal proceedings against the Insured either directly or vicariously seeking damages on account of Personal Injury. Provided that this Exclusion shall not apply to the first \$1,000,000 of Compensation, Defence Costs and Expenses, payable by the Insured (and not any perpetrator or alleged perpetrator) arising from or in connection with Personal Injury resulting from such molestation.

Subject otherwise to all other terms, Conditions, Exclusions and limitations of this insurance.

**Sub-Contractors Condition**

It is a condition precedent to liability under this Policy that the Insured shall ensure that all sub-contractors engaged or used by the Insured have and maintain Public & Products liability insurance with a limit of not less than \$10,000,000 any one Occurrence & in the aggregate for Products.

Subject otherwise to all other terms, Conditions, Exclusions, Definitions & limitations of this insurance.

INSURER	POLICY NUMBER	PROPORTION
BERKLEY INSURANCE AUSTRALIA A.B.N. 81 126 483 681 LEVEL 7, 1 MARKET STREET SYNEY NSW 2000	201506-0833 BIA	100.0000%

### **13. MATTERS BEHIND CLOSED DOORS**

#### **RECOMMENDATION**

**That Council meet behind closed doors to consider agenda item 13.1, 13.2 and 13.3 in accordance with section 12.5 of the Shire of Northam Standing Orders Local Law 2008 and Section 5.23 of the Local Government Act 1995.**

#### **13.1 WRITE OFF DEBTS FOR DEBTORS G63, S67, D98 & M38**

#### **13.2 WRITE OFF RATE DEBT FOR A15664**

#### **13.3 RECEIPT OF MINUTES FROM THE CHIEF EXECUTIVE OFFICER REVIEW COMMITTEE MEETING HELD ON 2<sup>ND</sup> MAY 2017**

### **14. MOTIONS OF WHICH PREVIOUS NOTICE HAS BEEN GIVEN**

Nil.

### **15. URGENT BUSINESS APPROVED BY PERSON PRESIDING OR BY DECISION**

### **16. DECLARATION OF CLOSURE**