

# LUNDSTROM ENVIRONMENTAL CONSULTANTS Pty Ltd

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## MARCH 2016 COMPLIANCE REPORT LOT 4 RUNNYMEDE ROAD, WELLESLEY B & J CATALANO

### 1. INTRODUCTION

This report details the findings of a compliance report undertaken for B & J Catalano, at Lot 4 Runnymede Road, Wellesley as required by the Shire of Harvey. Requirements for the audit process are as follows:

- Plans and/or cross-sections indicating the progress of pit extraction prepared by a licensed surveyor (where necessary);
- Volumes of material extracted over the previous twelve month period;
- Evidence of compliance with conditions of Planning Consent and Extractive Industry License (EIL);
- Progress and rehabilitation measures as approved by Council;
- Evidence of compliance with native vegetation clearing permits;
- Evidence of compliance with any other relevant licenses and/or approvals.

The field data collected for this report is from a site visit by M.J. Lundstrom (Environmental Scientist) in March 2016. A Survey was conducted by using a hand-held GPS in order to modify the previous year's survey data, with the current contours being incorporated into Figure 1.

### 2. DETAILS OF EIL APPROVAL

Planning Consent (PC) and an Extractive Industries Licence (EIL) for this pit were obtained on 17 April 2012 and 7 September 2012 respectively and are subject to a number of conditions that are listed in Table 1.

### 3. COMPLIANCE

Table 1 below is a list of all the original conditions for both PC and the EIL. This table shows the compliance status, lists the source of evidence, describes the findings of the field visit and provides a recommended action.

**Table of Planning Consent and Extractive Industries Licence Condition and Compliance Status  
B & J Catalano, Lot 4 Runnymede Road, August 2015.**

	Conditions	Compliant	Evidence	Findings	Recommended Action
<b>#</b>	<b>Planning Conditions:</b>				
1	To be used for the purpose of Extractive Industry (Sand).	Yes	Sand extraction	Operating in accordance with PC for sand extraction.	None
2	To have development carried out in accordance with the endorsed plan/s subject to the following condition/s:				
(a)	A person shall not without the written approval of Council, undertake a land use in respect of which Council has granted planning consent subject to conditions, until all of those conditions have been complied with to the satisfaction of Council.	Yes	Shire records	EIL granted, site operational	None
(b)	Compliance with the approved application submitted 21 <sup>st</sup> February, 2012 (Ref: 12/03987) submitted by Lundstrom Environmental, with regards to the management of the pit.	Yes	Site visit	Site is operating in compliance with the approved plans	None
(c)	Compliance with the Shire of Harvey Extractive Industry Local Laws, including the holding of a valid licence for all periods of operation.	Yes	Shire records / site visit	EIL issued, site operating in compliance with Shire requirements	None
(d)	Compliance with the Department of Industry and Resources (DoIR) <i>"Environmental Management of Quarries: Development, Operation and Rehabilitation Guidelines"</i> .	Yes	Site visit	Operation complies with guidelines	None
(e)	Compliance with the Department of Environmental South West Region Guideline Series <i>"Extractive Industries within the Coastal Strip of the Shire of Harvey (Limestone and Sand)"</i> .	Yes	Site visit	Operation complies with guidelines	None
(f)	Where screening is proposed the Department of Environment is to be contacted to determine whether the proposed works require registration/works approval and/or licensing.	Yes	Lundstrom Environmental	Application submitted to DER	Awaiting outcome of submission
(g)	Access to the site is limited to the existing crossover from Lot 4 to Runnymede Road and such access is to be to the specifications and satisfaction of the Shire of Harvey.	Yes	Figure 1 / Site visit	The site is accessed via the designated access road only	None
(h)	The operation for both Lots 4 and 7 is to involve a maximum of 25 truck movements per day cumulatively.	Yes		Dust Management Plans for these sites estimated there would be on average 50 truck movements per	None

**Table of Planning Consent and Extractive Industries Licence Condition and Compliance Status  
B & J Catalano, Lot 4 Runnymede Road, August 2015.**

	Conditions	Compliant	Evidence	Findings	Recommended Action
				week on each adjoining property, equaling a combined daily movement of 20 trucks.	
(i)	Stockpiles are to be kept to a maximum height of five (5) metres to avoid visual impact and/or material wind drift.	Yes	Site visit	Stockpiles are kept to a maximum height of 5 metres	None
(j)	Compliance with the submitted weed management plan to control the spread of declared weed species to the satisfaction of the Department of Agriculture and Food (DAFWA).	Yes	Pers comm. / site visit	Site is operating in compliance with weed management plan.	Continue to follow weed management actions
(k)	Provision of a detailed progressive rehabilitation plan using native endemic species prior to the issue of an Extractive Industry Licence. Such plan should provide details of planting rates, species types, cluster planting, fencing, and maintenance and monitoring measures in accordance with the approved plan.	Yes	Shire records	EIL granted, site operational	None
(l)	All rehabilitation is to comply with the rehabilitation plans submitted including slopes of the batters at the end of excavation, being retained at no more than 1:6 vertical to horizontal.	Yes	Site visit	Final land surfaces will comply with 1:6 batters.	Ensure rehabilitation complies with submitted plans
(m)	A reinstatement bond of \$70,300 to be received prior to the issue of an Extractive Industry Licence, and retained for up to three (3) years beyond the completion of rehabilitation works, to ensure success of planting.	Yes	Shire records	Noted	None
(n)	The applicant is to have the approved pit boundaries surveyed and pegged by a suitably qualified surveyor, with the location of such pegs being confirmed by Council Staff prior to the issue of an Extractive Industry Licence. The pegs are to remain in place for the duration of the operation.	Yes	Shire records	Site surveyed, EIL issued, survey pegs in place	None
(o)	The intact vegetation east of the proposed pit and all areas for re-vegetation are to be stock proof fenced in accordance with the approved plans, to the satisfaction of Council.	Yes	Site visit / Figure 1	The remaining intact vegetation and re-vegetated areas have been appropriately fenced.	None
(p)	After the completion of extraction operations livestock are permitted in the areas marked 'Pastures' only on the approved	Yes	Site visit	Extraction activities currently occurring, no livestock currently	Implement livestock control at the completion of extraction activities

**Table of Planning Consent and Extractive Industries Licence Condition and Compliance Status  
B & J Catalano, Lot 4 Runnymede Road, August 2015.**

	Conditions	Compliant	Evidence	Findings	Recommended Action
	plans and are not permitted within the fenced vegetated areas east of the extraction area.			occupy this area	
(q)	Provision of a detailed Water Management Plan for endorsement by the Department of Water prior to the issue of an Extractive Industry Licence. The Water Management Plan should contain monitoring and management measures in addition to mapping at a scale of no less than 1:500 indicating: i. contours; ii. watershed boundaries; iii. property boundaries; and iv. proposed extraction areas.	Yes	Shire records	EIL granted and site operational in compliance with management plan	None
(r)	The site is reinstated with a minimum of 400mm cover of overburden and topsoil to a finished rehabilitated level at least 2.4m above the highest water table level.	Yes	Figure 1 & Appendix 1 (photos)	There have been a further two areas of rehabilitation undertaken since the last compliance report. Catalano's have also been alerted to an area where over excavation has taken place and additional material has now been placed within this area.	Ensure 400mm of overburden and topsoil is applied during rehabilitation actions. This condition conflicts with condition 8, where the final rehabilitated land surface is required to be only 1 metre above the highest water table level.
(s)	The pit floor is to maintain a two (2) metre vertical separation from the highest known groundwater level at all times of excavation.	No	Survey	The current extraction is to a depth of 7-8m AHD. The highest groundwater level is approximately 7m AHD as indicated in the initial EIL Management Plan. See section 8 below.	Request that the Shire acknowledge Section 8 of the EIL approval requiring a final separation distance of 1 metre be maintained.
(t)	The proposal is for no fuel or lubricant storage on-site. If any fuel or lubricant is stored on the property, a monitoring bore is to be installed to measure pollution impacts and adequate containment bunding equal to the tank storage capacity provided should there be spillage.	Yes	Site visit	No fuel or lubricants are stored on site	None
(u)	A levy of \$0.50/m <sup>3</sup> of extracted material being paid to Council to	Under	Shire records &	Discussion with Operations	Shire to take into account Catalano's

**Table of Planning Consent and Extractive Industries Licence Condition and Compliance Status  
B & J Catalano, Lot 4 Runnymede Road, August 2015.**

	Conditions	Compliant	Evidence	Findings	Recommended Action
	assist in the maintenance and upgrade of Wellesley Road and Runnymede Road.	discussion	Appendix 2	Manager indicates that all obligations in regard to road maintenance are covered by existing agreement as shown in Appendix 2.	previous and ongoing expenditure in regard to construction and maintenance of Runnymede Road
(v)	The applicant is to engage a suitably qualified independent expert approved by Council to carry out an annual audit of compliance of the conditions of planning consent and extractive industry license. Such an audit must be submitted prior to an annual renewal licence being issued by Council.	Yes	This document	Prepared by Lundstrom Environmental Consultants	To be prepared annually
(w)	The applicant is to provide an information brochure, which has been prepared to the satisfaction of the Department of Environment and Conservation and Council, to all purchasers of material from the approved pit detailing, but not limited to, the following: <ul style="list-style-type: none"> <li>• The extracted material is considered to be "uninterpretable" and may therefore contain Phytophthora Dieback;</li> <li>• The extracted material should not be used adjoining any vegetation which is known to be susceptible to Phytophthora Dieback;</li> <li>• A list of vegetation which is known to be susceptible is to be attached.</li> </ul>	Yes	Shire records	The approved information brochure has been provided to purchasers of material from this site	None
(x)	The applicant is to retain a register of purchasers to which the above information has been provided. A copy of which is to be included with the annual audit report.	Yes		A register of purchasers has been maintained. During this period dieback brochures have been provided to Shire of Harvey, Hanson Concrete, South 32.	Continue to maintain register
(y)	The extractive industry is to be managed in accordance with the prepared Aboriginal Heritage Management Plan.	Yes		The site is managed in line with the Aboriginal Heritage Management Plan	None
(z)	This approval is valid for a period of five (5) years. If	Yes	Shire records	Noted	None

**Table of Planning Consent and Extractive Industries Licence Condition and Compliance Status  
B & J Catalano, Lot 4 Runnymede Road, August 2015.**

	Conditions	Compliant	Evidence	Findings	Recommended Action
	development is not completed within this period, a new approval must be obtained before commencing or continuing development.				
3	Under Clause 4.4 of the District Planning Scheme approves the nil setback on the property boundary with Lot 7 in accordance with the approved plans.	Yes	Shire records	Noted	None
<b>Extractive Industries Licence – Extra Conditions or Variations:</b>					
1	Compliance with the approved application (12/03987) in terms of pit boundaries, management of the pit and rehabilitation of the site.	Yes	Pers comm. / site visit	Site is operating in compliance with the approved plans	None
2	Screening is required to be undertaken and maintained within the 40m setback area from Runnymede and Wellesley Roads, using local endemic native species as outlined in the approved plans.	Yes	Figure 1 & Shire records	There is a 40 metre setback and screening vegetation is growing well.	None
3	Compliance with the Department of Environment South West Region Guideline Series "Extractive Industries within the Coastal Strip of the Shire of Harvey (Limestone and Sand).	Yes	Pers comm.	Operation complies with guidelines	None
4	Compliance with the Shire of Harvey Extractive Industry Local Laws, including the holding of a valid licence for all periods of operation.	Yes	Shire records / site visit	EIL issued, site operating in compliance with Shire requirements	None
5	Compliance with the Department of Industry and Resources (DoIR) "Environmental Management of Quarries: Development, Operation and Rehabilitation Guidelines".	Yes	Pers Comm	Operation complies with guidelines	None
6	All rehabilitation is to comply with the approved rehabilitation plans submitted by MBS Environmental (Ref: 12/24463) including slopes of the batters at the end of excavation being retained at no more than 1:6 vertical to horizontal.	Yes	Pers Comm DC / site visit	Final land surfaces will comply with 1:6 batters.	Ensure rehabilitation plans are followed at the completion of extraction.
7	At the completion of extraction fencing is to be installed as per the approved rehabilitation plans.	Yes	Pers comm.	Extraction is currently occurring.	Ensure rehabilitation plans are followed at the completion of extraction.
8	The site is to be reinstated with a minimum of 400m cover of overburden and topsoil to a finished rehabilitation level at least a	Yes	Figure 1 / Survey &	There have been a further two areas of rehabilitation undertaken	None

**Table of Planning Consent and Extractive Industries Licence Condition and Compliance Status  
B & J Catalano, Lot 4 Runnymede Road, August 2015.**

	Conditions	Compliant	Evidence	Findings	Recommended Action
	metre above the highest water table level.		Appendix 1 (photos)	since the last compliance report. Catalano's have also been alerted to an area where over excavation has taken place and additional material has now been placed within this area.	
9	Any excavation below the average, end of season winter groundwater level must be completed in summer/autumn periods (taken to be 1 <sup>st</sup> December to 31 <sup>st</sup> May) and over burden re-established before the groundwater rises to ensure no standing groundwater occurs at any time throughout the year	Yes	Site visit	No significant areas of standing water were observed on site visit. Any low areas have now been backfilled.	None
10	Compliance with the approved Water Management Plan and Weed Management Plan (Ref: 12/17337).	Yes	Pers Comm / Site visit	No declared weed species evident	None
11	The contractor is to engage a suitably qualified independent expert approved by Council to carry out an annual audit of compliance of the conditions of planning consent and extractive industry licence. Such an audit must be submitted prior to an annual renewal licence being issued by Council	Yes	This document	Prepared by Lundstrom Environmental Consultants	To be prepared annually
12	This licence is valid for a period of five (5) years from the date of Council granting approval. This approval expires on 17 <sup>th</sup> April, 2017	Yes	Shire records EIL valid	Noted	None

The site inspection and communication with the site manager indicate the following:

#### **4. VOLUMES**

The volume extracted between August 2015 and March 2016;

Volume removed: 130,000 tonnes (approximately 81,000m<sup>3</sup>)

#### **5. PROGRESS AND REHABILITATION MEASURES AS APPROVED BY COUNCIL**

Plantings of native tree belts within the buffers on the southern and western boundaries are growing strongly. As stated in the approved Rehabilitation and Maintenance Management Plan, the planting along the eastern buffer of the pit cannot commence until stages 1 & 2 of extraction have been completed. The northern boundary buffer cannot commence until extractive activities on Lot 7 have been completed due to the shared access road.

#### **6. GROUND WATER**

Groundwater condition 2(s) represents previous recommendations of the Department of Water, which have now been superseded (DoW 2014)<sup>1</sup>. Recommendations by DoW are now that quarrying has little impact on groundwater quality and a separation of 300mm between mining operations and the highest water-table is acceptable. This condition is also in conflict with EIL condition 8, requiring only a 1 metre separation distance between rehabilitated land surfaces and the highest water table level. It is recommended that the Shire require compliance with the latter condition required under the EIL and modify PC condition 2(s) to reflect this for the final land surface level and acknowledge the more recent recommendations of the DoW.

#### **7. ROAD LEVY**

Information provided by the Operations Manager for B & J Catalano shows that contributions to the maintenance and upgrade of Wellesley Road and Runnymede Road over the past 8 years have amounted to \$150,000+. This is made up of:

- Materials supplied;
- Equipment hire;
- Bituminisation; and
- Ongoing maintenance.

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<sup>1</sup> Department of Water (DoW) (2014). South West Region Guideline, Water resource considerations for extractive industries.



Appendix 2 contains correspondence from the Shire that no further contributions will be required from Catalano other than the previous construction and ongoing maintenance of Runnymede Road.

## **8. EVIDENCE OF COMPLIANCE WITH ANY OTHER RELEVANT LICENSES AND/OR APPROVALS**

An Application Enquiry form has been submitted to the DER to determine whether a Works Approval will be required for screening activities, but due to a large backlog of applications, approval has been delayed.



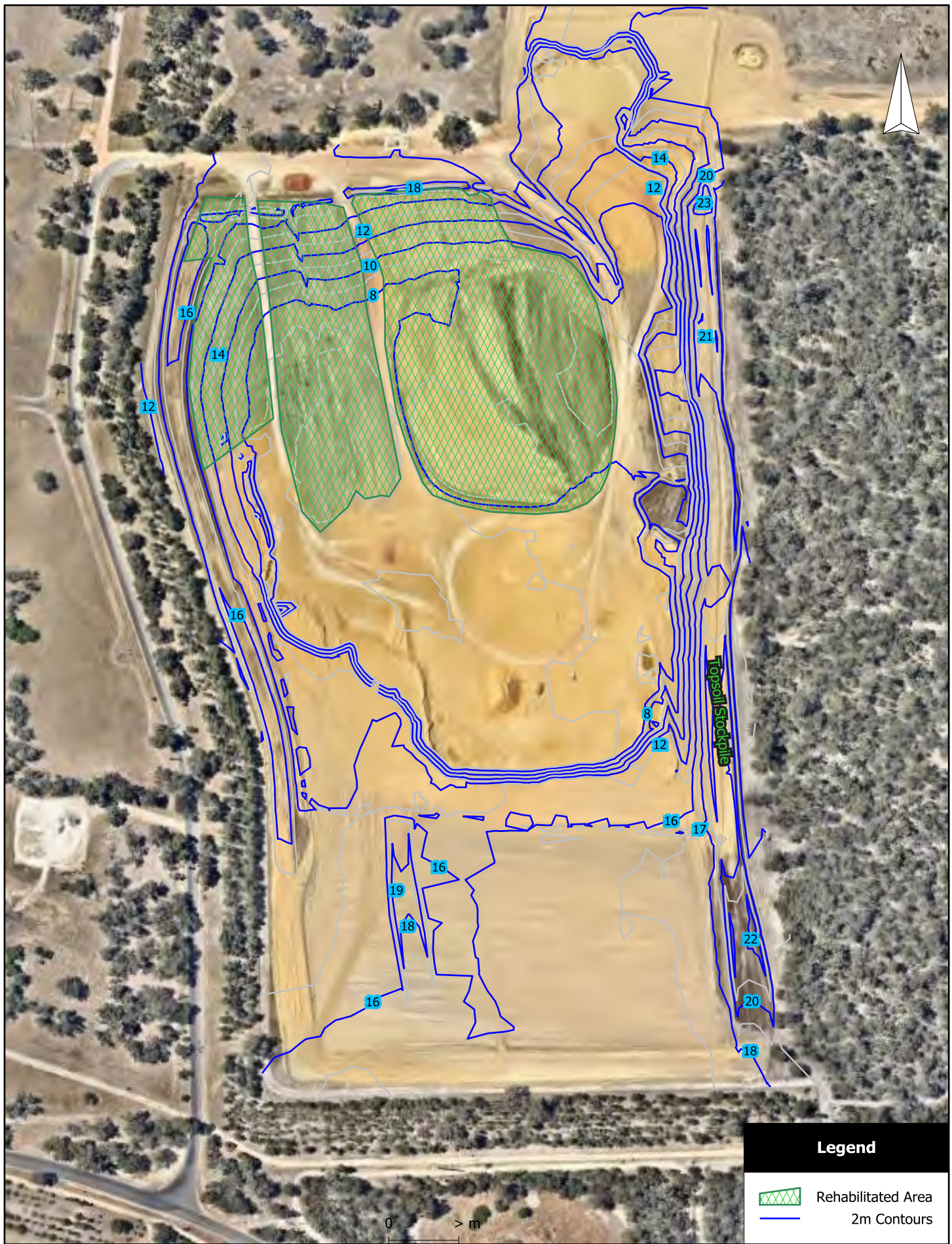
Michael Lundstrom (MSc)  
Principal Environmental Consultant  
28 April 2016

Figure 1: Annual Compliance Report 2016 including 2016 pit contours


Appendix 1: Photographs

Appendix 2: Correspondence in regard to the road levy

## FIGURES



**Legend**

-  Rehabilitated Area
-  2m Contours

**LUNDSTROM ENVIRONMENTAL CONSULTANTS PTY LTD**  
 21 Sellen Court Leeming WA 6149  
 Mobile: 0417934863  
 Email: mikelund1@bigpond.com

Scale: 1:3200  
 Original Size: A4  
 Air Photo Dec 2015  
 Datum: Australian Geocentric 1994 (GDA94)

**B&J Catalano Pty Ltd**  
**Lot 4 Runnymede road**  
**WELLESLEY**  
**Sand Extraction**

**Shire Compliance Report**  
**Figure 1**

**APPENDIX 1**

**Site Photographs**





Photo1 : View looking north to areas rehabilitated to pastures with currently completed extraction area in the foreground.

**APPENDIX 2**  
**Correspondence with Shire re: road levy contributions**



# SHIRE OF HARVEY

ALL COMMUNICATIONS TO BE ADDRESSED TO THE CHIEF EXECUTIVE OFFICER

102 UDUC ROAD  
P.O. BOX 500, HARVEY, WESTERN AUSTRALIA, 6220  
TELEPHONE (08) 9729 0300  
FACSIMILE (08) 9729 2053  
www.harvey.wa.gov.au

Direct Line:  
(08) 9729 0360

PLEASE USE DIRECT DIAL TELEPHONE WHERE NOMINATED

Our Reference: 07/15471  
Our File: R000002(5)  
Enquiries: Mr. Peter Anderson

27 JUL 2007

B & J Catalano P/L  
South West Highway  
BRUNSWICK JUNCTION WA 6224

Attention: Danny Ceraolo

Dear Danny,

## UPGRADING OF INTERSECTION OF RUNNYMEDE ROAD AND WELLESLEY ROAD, WELLESLEY

I acknowledge receipt of your recent correspondence dealing with your company's proposal to undertake minor road widening, tree lopping/pruning and intersection upgrade of Wellesley Road and Runnymede Road to enhance safe truck access to your future sand quarry.

Council supports this proposal and will contribute up to \$3,000 for tree lopping/pruning expense with this project. You are requested to coordinate the timetable for implementing this project with Council's Work Supervisor, Barry Dack. Prior to work commencing a traffic management plan and a copy of your public liability insurance will need to be submitted to Council.

I would like to take the opportunity to acknowledge your company's proactive approach to commit funding for carrying out this project which is seen by Council as providing a "win-win" situation for all parties.

Yours faithfully,

PETER ANDERSON  
SHIRE ENGINEER

25 July 2007

cc Barry Dack



# SHIRE OF HARVEY

ALL COMMUNICATIONS TO BE ADDRESSED TO THE CHIEF EXECUTIVE OFFICER

102 UDUC ROAD  
P.O. BOX 500, HARVEY, WESTERN AUSTRALIA, 6220  
TELEPHONE (08) 9729 0300  
FACSIMILE (08) 9729 2053  
www.harvey.wa.gov.au

Direct Line:  
(08) 9729 0360

PLEASE USE DIRECT DIAL TELEPHONE WHERE NOMINATED

Our Reference: 08/12583  
Our File: R000002(6)  
Enquiries: Mr. Peter Anderson

B & J Catalano Pty Ltd  
South Western Highway  
BRUNSWICK JUNCTION WA 6224

Attention: Danny Ceraolo

14 JUL 2008

Dear Danny,

## UPGRADE OF RUNNYMEDE ROAD/WELLESLEY ROAD INTERSECTION AND PORTION OF RUNNYMEDE ROAD

I acknowledge receipt of your recent correspondence dealing with your request for Council to wave its extraction levy of \$0.10/m<sup>3</sup> of sand quarried from Lot 4 in exchange for your upgrading existing road pavements.

This matter was referred to Council at its ordinary meeting of 8<sup>th</sup> July 2008 and I am pleased to advise that Council has accepted your offer.

Please liaise with Peter Kay, from this office, to finalise the extent, specification and construction timetable for these works. Road construction can only commence upon approval from Mr. Kay.

Yours Faithfully,

PETER ANDERSON  
SHIRE ENGINEER

10<sup>th</sup> July 2008

cc Peter Kay





# SHIRE OF HARVEY

ALL COMMUNICATIONS TO BE ADDRESSED TO THE CHIEF EXECUTIVE OFFICER

102 UDUC ROAD

P.O. BOX 500, HARVEY, WESTERN AUSTRALIA, 6220

TELEPHONE (08) 9729 0300

FACSIMILE (08) 9729 2053

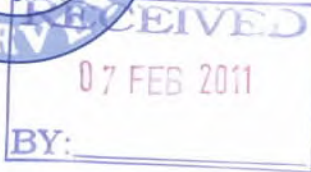
www.harvey.wa.gov.au

Direct Line:  
(08) 9729 0362

PLEASE USE DIRECT DIAL TELEPHONE WHERE NOMINATED

Our File: A002575, A002628, R000002

Enquiries: Mr. Peter Kay



B & J Catalano Pty Ltd  
South West Highway  
BRUNSWICK JUNCTION WA 6224

Attention: Bill Catalano

Dear Bill,

## UPGRADE OF RUNNEYSMEDE ROAD

Further to your recent application for Planning Consent for an extractive industry licence on Lot 7 Runnymede Road, Wellesley, we wish to advise that prior to processing the new application there is an outstanding condition on your current licence for Lot 4 Runnymede Road. This condition includes the upgrading of that section of unsealed road from Wellesley Road to the quarry access at Lot 4 Runnymede Road that Council considered at its meeting of 8<sup>th</sup> July 2008. At this time Council agreed to waive the \$0.10m<sup>3</sup> extraction levy on condition that the section of Runnymede Road mentioned above, was upgraded to a sealed standard. As the proposed new application will increase heavy vehicle movements on Runnymede Road it will be important for the compliance of your existing application to complete the sealing as soon as possible.

Please contact me for any further information.

Yours Faithfully,

PETER KAY  
MANAGER OF WORKS AND SERVICES

3<sup>rd</sup> February 2011

cc Simon Hall