

PO Box 56 Mount Gambier SA 5290

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mountgambier.sa.gov.au

# I hereby give notice that a Strategic Standing Committee Meeting will be held on:

Date: Monday, 12 August 2019

Time: 5.30 p.m.

Location:

Committee Room, Level 4 Civic Centre 10 Watson Terrace

10 watson Terrac

Mount Gambier

# AGENDA

# Strategic Standing Committee Meeting 12 August 2019

Andrew Meddle Chief Executive Officer

8 August 2019



# **Order Of Business**

| 1 | Acknov  | vledgement of (              | Country   | 3  |
|---|---------|------------------------------|---|----|
| 2 | Apolog  | y(ies)                       |   | 3  |
| 3 | Confirn | nation of Minut              | es  | 3  |
| 4 | Questic | ons without Not              | tice  | 3  |
| 5 | Reports | 5                            |   | 4  |
|   | 5.1     | Rotary Club of Request - Rep | Mount Gambier West - Hastings Cunningham Reserve Shed<br>ort No. AR19/36229 | 4  |
|   | 5.2     | Policy Review                | – Report No. AR19/41110   | 9  |
| 6 | Urgent  | Motions withou               | ut Notice   | 55 |
| 7 | Meeting | g Close                      |   | 55 |
|   | Attachm | ents Item 3                  | Strategic Standing Committee Meeting - 11 June 2019                         | 56 |



# 1 ACKNOWLEDGEMENT OF COUNTRY

WE ACKNOWLEDGE THE BOANDIK PEOPLES AS THE TRADITIONAL CUSTODIANS OF THE LAND WHERE WE MEET TODAY. WE RESPECT THEIR SPIRITUAL RELATIONSHIP WITH THE LAND AND RECOGNISE THE DEEP FEELINGS OF ATTACHMENT OUR INDIGENOUS PEOPLES HAVE WITH THIS LAND.

# 2 APOLOGY(IES)

Nil

# **3 CONFIRMATION OF MINUTES**

Strategic Standing Committee Meeting - 11 June 2019

# RECOMMENDATION

That the minutes of the Strategic Standing Committee meeting held on 11 June 2019 be confirmed as an accurate record of the proceedings of the meeting.

# 4 QUESTIONS WITHOUT NOTICE



# 5 **REPORTS**

# 5.1 ROTARY CLUB OF MOUNT GAMBIER WEST - HASTINGS CUNNINGHAM RESERVE SHED REQUEST - REPORT NO. AR19/36229

| Committee:     | Strategic Standing Committee  |
|----------------|---|
| Meeting Date:  | 12 August 2019  |
| Report No.:    | AR19/36229  |
| CM9 Reference: | AF18/496  |
| Author:        | Michael McCarthy, Manager Executive Administration  |
| Authoriser:    | Andrew Meddle, Chief Executive Officer  |
| Summary:       | This report presents a request from the Rotary Club of Mount<br>Gambier West to be considered for any available shed, or<br>construction of a new shed, at Hastings Cunningham Reserve. |
| Community Plan | Goal 1: Our People  |
| Reference:     | Goal 2: Our Location  |
|                | Goal 3: Our Diverse Economy   |
|                | Goal 4: Our Climate, Natural Resources, Arts, Culture and Heritage  |
|                |   |

# **REPORT RECOMMENDATION**

- 1. That Strategic Standing Committee Report No. AR19/36229 titled 'Rotary Club of Mount Gambier West Hastings Cunningham Reserve Shed Request' as presented on 12 August 2019 be noted.
- 2. The request from the Rotary Club of Mount Gambier West to construct a new shed at Hastings Cunningham Reserve be accepted in-principle, subject to further negotiations on a precise location and form of construction which may include alternate site(s) and a development and/or occupation partnership with Council or other community tenants.
- 3. That a further report be presented to Council to consider options for the location, form of development, and any partnership opportunities that might deliver an improved community benefit as a result of the storage proposal. The anticipated report may be included with or separate from the report on tenancy matters associated with the Community and Recreation Hub.



# BACKGROUND

At the meeting held on 18 June 2019, in consideration of a report presenting an enquiry from the Lake City Rodders on relocating from their existing Shed No. 13 into Shed No. 11 at Hastings Cunningham Reserve vacated by ParaQuad, Council resolved:

- "1. That Operational Standing Committee Report No. AR19/26426 titled 'Property Management - Hastings Cunningham Sheds' as presented on 11 June 2019 be noted.
- 2. That Shed No. 11 at Hastings Cunningham Reserve be retained as vacant pending any emerging matters that would benefit from the availability of the shed as a tenancy solution.

At the subsequent meeting on 16 July 2019 Council considered Report No. AR19/36022 titled 'Community and Recreation Hub - Tenancy Matters' and (amongst other things) resolved:

"2. That Council adopt and apply a broad scope to identifying and implementing solutions to accommodate users affected by Community and Recreation Hub project, which may include the relocation of Council tenants and users from/to other sites and related building works."

The 'other sites' referenced in the 16 July 2019 resolution would include the vacant Shed No. 11 at Hastings Cunningham Reserve.

# DISCUSSION

The Rotary Club of Mount Gambier West were interested in the outcome of the Lake City Rodders' request, having a storage need of their own and noting that a further shed vacancy might arise.

The Rotary Club of Mount Gambier West have now made their own formal request to Council for the use of a storage shed at Hastings Cunningham Reserve. A copy of their letter can be found as **Attachment 1**.

The Rotary Club of Mount Gambier West wish to be considered for:

- 1. Any available empty shed on the Hastings Cunningham Reserve
- Or, if not available
- 2. Construction of a new shed on Hastings Cunningham Reserve

This request follows a recent and further anticipated increase in the cost of their existing storage. Annual rental of a Council facility would be at the 'declared rate' applicable to community tenancies in accordance with the Council's *Community Rental Policy R200* – currently \$495 pa plus GST.

Considering the July 2019 resolution regarding relocation of Council tenants and related building works associated with the Community and Recreation Hub, the request from the Rotary Club of Mount Gambier West may provide a timely opportunity for a partnership the co-development and/or co-occupation of a facility for storage and potentially other community uses, either at Hastings Cunningham Reserve or another suitable site.

Such a partnership arrangement might enable construction costs and the future rental, maintenance and management to be shared across multiple users making more efficient use of any capital investment and increasing the activation and benefit of any resulting infrastructure.

# CONCLUSION

This report recommends that the request from the Rotary Club of Mount Gambier West to construct a new shed at Hastings Cunningham Reserve be accepted, in principle, subject to further negotiations on a precise location and form of construction which may include alternate site(s) and a development and/or occupation partnership with Council or other community tenants.



# ATTACHMENTS

1. Request - Storage Shed - Hastings Cunningham Reserve - Rotary Club of Mount Gambier West Inc 1





The Rotary Club of Mt Gambier West Inc. P.O. Box 1014 MOUNT GAMBIER 5290 ABN: 16 928 362 297 President – Matthew Dixon Secretary – Ian Sanderson



Club Number: 18244

July 4<sup>th</sup> 2019

Mr. Michael McCarthy Manager, Executive Administration Mount Gambier City Council P.O. Box 56 MOUNT GAMBIER SA 5290

# Re: Request for Use of a Storage Shed at Hastings Cunningham Reserve

Dear Mr. McCarthy,

The Rotary Club of Mount Gambier West Inc. wishes to be considered for:

1. Any available empty shed on the Hastings Cunningham reserve

Or, if not available,

2. Construction of a new shed on Hastings Cunningham Reserve

The Rotary Club of Mount Gambier West has a strong tradition of supporting the council in many initiatives such as the Christmas Parade, the Party in the Park and various other activities.

The current cost of our existing storage has increased recently, and will increase significantly into the future. This will have a serious impact on our community generosity.

Club Member David Burt is keen to develop this opportunity further and can be contacted on 0413 302 773 or <u>david.burt1969@gmail.com</u> to discuss any opportunity that may be available.

Details of the relevant Management Plan are:

## LOCAL GOVERNMENT ACT 1999 - SECTION 196 COMMUNITY LAND MANAGEMENT PLAN

Owner: City of Mount Gambier.

Reserve Title Description: CT 5663/245, CT 5808/209, CR 5633/71

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Reserve Address: Shepherdson Road (Hastings Cunningham Reserve)

Reserve No: 14, 115

Asset No: 115, 134, 145

**General Description:** 

Open reserve, playground area, BMX area, soccer, tennis and Community use sheds.

#### Purpose of Land:

To provide for passive and active recreation for the benefit of the community.

To provide for structured sporting activities (eg. tennis, soccer, BMX) and land for community organisations to construct storage sheds/clubrooms.

Our club would appreciate your consideration of this proposal.

Yours sincerely,

San Anderson

lan Sanderson

Secretary Rotary Club of Mount Gambier West

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# 5.2 POLICY REVIEW – REPORT NO. AR19/41110

| Meeting:       | Strategic Standing Committee   |  |
|----------------|--|--|
| Meeting Date:  | 12 August 2019   |  |
| Report No:     | AR19/41110   |  |
| CM9 Reference: | AF18/496   |  |
| Author:        | Michael McCarthy, Manager Executive Administration   |  |
| Authoriser:    | Andrew Meddle, Chief Executive Officer   |  |
| Summary:       | This report provides for the review of Council Policies 'A240 -<br>Assemblies and Events on Streets and Other Council Land', 'B150 -<br>Building - Sewer connections, Waste Management Control and the<br>provision of Toilet Facilities' and 'L130 - Land Divisions'. |  |
| Community Plan | Goal 1: Our People   |  |
| Reference:     | Goal 2: Our Location   |  |
|                | Goal 3: Our Diverse Economy  |  |
|                | Goal 4: Our Climate, Natural Resources, Arts, Culture and Heritage   |  |

# **REPORT RECOMMENDATION**

- 1. That Strategic Standing Committee Report No. AR19/41110 titled 'Policy Review' as presented on 12 August 2019 be noted.
- 2. That the following updated Council Policies as attached to the Strategic Standing Committee Report No. AR19/41110 be adopted:
  - A240 Assemblies and Events on Streets and Other Council Land
  - B150 Building Sewer Connections, Waste Management Control and the provision of Toilet Facilities
  - L130 Land Divisions



# BACKGROUND

The Council periodically reviews its policies over the term of each Council, to ensure they remain up to date with legislative requirements, Council and community expectations and best practice. Council policies A240 (Attachment 1), B150 (Attachment 2) and L130 (Attachments 3 and 4), as attached to this report, were last reviewed during the previous term of Council.

# DISCUSSION

# Policy A240 - Assemblies and Events on Streets and Other Council Land

*Council Policy A240 - Assemblies and Events on Streets and Other Council Land* identifies the requirements for when assemblies and events are held on Council land, including roadways, under the *Public Assemblies Act 1972*.

This policy has been reviewed against current legislation, Australian Standards and associated Council Policies. It is noted that there has been no legislative changes or changes to the Australian Standards that would impact on this policy and it is therefore put forward unchanged, except for its review date.

## Policy B150 - Building - Sewer Connections, Waste Management Control and the provision of Toilet Facilities

*Council Policy B150 - Building - Sewer Connections, Waste Management Control and the provision of Toilet Facilities* identifies the requirements for the connection of South Australian Water Corporation sewer to and/or the installation of wastewater systems on properties within the City of Mount Gambier.

This policy has been reviewed against current legislation, Australian Standards and associated Council Policies. It is noted that there has been no legislative changes or changes to the Australian Standards that would impact on this policy it is therefore unchanged, except for its review date.

Minor formatting and wording changes have been made.

## Council Policy L130 - Land Divisions

*Council Policy L130 - Land Divisions* has been reviewed against relevant legislation, Australian Standards and associated Council Policies. References to Australian Standards and policy documents have been updated where required.

Minor wording and grammatical changes have also been made.

Council Policy L130 is earmarked for review again in June 2020. However, it is probable that legislative changes to the Development Act 1993 and Planning, Development and Infrastructure Act 2016, will require that a review of Council Policy L130 will be undertaken prior to June 2020.

# CONCLUSION

It is recommended that policies A240, B150 and L130 be reviewed in the next term of Council, unless there is a clear need to reflect changing legislation or Australian Standards to maintain best practice.

# ATTACHMENTS

- 1. Draft Council Policy A240 Assemblies and Events on Streets and Other Council Land J
- 2. Draft Council Policy B150 Buildings Sewer connections, waste management control and the provision of toilet facilities with tracked changes <u>1</u>
- 3. Draft Council Policy L130 Land Divisions J.
- 4. Appendix 1, Council Policy L130 Pavement Material Specification J.



|                          |                                      | Version No:     | 7           |  |
|--------------------------|--------------------------------------|-----------------|-------------|--|
| City of<br>Mount Gambier | A240 ASSEMBLIES AND EVENTS           | Issued:         | August 2019 |  |
|                          | ON STREETS AND<br>OTHER COUNCIL LAND | Next<br>Review: | August 2023 |  |

#### 1. INTRODUCTION

This document sets out the policy of the City of Mount Gambier ("Council") for when assemblies and events are held on Council land, including roadways, under the *Public Assemblies Act 1972*.

#### 2. NOTICE OF ASSEMBLY

- (a) Where an organised assembly or event is planned to be held on a street or other Council land, and consent of Council has not or cannot be given under other legislative powers, the organisers be requested to lodge with Council a *Notice of Assembly* pursuant to the provisions of the *Public Assemblies Act, 1972.*
- (b) Such Notice is to be assessed by the General Manager City Infrastructure or General Manager City Growth using the attached pro-forma.
- (c) The purpose of a *Notice of Assembly* is not to seek Council 'consent' to a proposal, but to enable the proposal to be assessed as to whether or not any objection is to be made by Council in accordance with the *Public Assemblies Act* 1972.
- NOTE: Council's controls over organised assemblies and events on Council land are primarily contained in the provisions of the Local Government Act, Road Traffic Act and Council By-Laws.

### 3. FOR COUNCIL USE ONLY

APPLICATION RECEIVED FROM :.....(Insert Applicant's name).....

#### SECTION A

- 1. Mount Gambier Police notified.
- 2. Date: / / Time......Method.....

Actioned by.....

SECTION B

ASSESSMENT BY GENERAL MANAGER CITY INFRASTRUCTURE OR GENERAL MANAGER CITY GROWTH

PART 1 - Public Assemblies Act 1972

- (a) If affected, would the proposed assembly unduly prejudice any public interest? YES/NO
- (b) If Yes use delegated power to lodge objection pursuant to Section 4 (6) and (7) of the Act.
- (c) Section 4 (8)
  - 1. Objection served on Applicant :.....(Insert Applicant's name).....

| Electronic version on TRIM is the controlled version.   | Page 1 of 4 |
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|              | - 1                                |                                  |                                |  | Version No                 | : 7             |
|--------------|------------------------------------|----------------------------------|--------------------------------|--|----------------------------|-----------------|
| City         | of<br>unt Gambier                  | A240 AS                          | SEMBLIES                       | AND EVENTS                                 | Issued:                    | August 2019     |
|              |                                    | о<br>отн                         | IER COUNC                      | S AND<br>CIL LAND                          | Next<br>Review:            | August 2023     |
|              | Date: /                            | / Time                           | N                              | /lethod                                    |                            |                 |
| 2.           | Objection -                        | published in <i>Th</i>           | ne Advertiser                  | - Date: / /                                |                            |                 |
| 3.           | Objection -                        | published in <i>Th</i>           | ne Border Wa                   | <i>itch –</i> Date: /                      | /                          |                 |
| PART         | <u>2</u> - Summary                 | y Offences Act                   | 1953                           |  |                            |                 |
| (a) Sl<br>of | hould recomm<br>Section 59 of      | endation be ma<br>the Act?       | ade to Mayor                   | to give directions p                       | pursuant to t<br>YES/NC    | the provisions  |
| (b) lf       | YES, what dire                     | ections are rec                  | ommended (u                    | use separate sheet                         | t).                        |                 |
| (c) Se       | ection 59 (6)                      |                                  |                                |  |                            |                 |
| 1.           | Direction - p                      | published in <i>Th</i>           | e Advertiser ·                 | - Date: / /                                |                            |                 |
| 2.           | Direction - p                      | published in <i>Th</i>           | e Border Wa                    | tch – Date: /                              | /                          |                 |
| PART         | <u>3</u> - Local Gov               | ernment Act 19                   | 999                            |  |                            |                 |
| (a) :<br>t   | Should vehicle<br>the provisions   | es, etc. be exclu<br>of the Act, | uded from pu                   | blic places affecte                        | d by assem                 | bly pursuant to |
| I            | NOTE: Counc                        | cil decision requ                | uired to imple                 | ment as absolute r                         | majority requ              | uired.          |
|              | YES (but insu                      | ufficient time)                  | /NO                            |  |                            |                 |
| (b) l        | If YES:                            |                                  |                                |  |                            |                 |
|              | 1. Date of Cou                     | uncil Decision:                  | / /                            |  |                            |                 |
| 2            | 2. Notice - put                    | olished in <i>The</i> (          | Government                     | <i>Gazette –</i> Date:                     | / /                        |                 |
| :            | 3. Notice - put                    | olished in <i>The E</i>          | Border Watch                   | – Date: / /                                |                            |                 |
| I            | lf insufficient ti                 | me:                              |                                |  |                            |                 |
|              | Applicant Notif                    | fied -                           |                                |  |                            |                 |
| I            | Date: / /                          | Time:                            | AM/PM                          | Method:                                    |                            |                 |
| PART         | <u>4</u> - Road Trat               | ffic Act 1961                    |                                |  |                            |                 |
| (a) :        | Should applica<br>provisions of th | ant make appli<br>he Act (Road C | cation to Cou<br>losing and ex | incil or the relevan<br>comptions for road | nt Minister, p<br>events)? | oursuant to the |
| `            | YES (but insuf                     | ficient time)/NC                 | >                              |  |                            |                 |
| (b) l        | lf yes with or w                   | vithout (insuffici               | ient time), ad                 | vise applicant.                            |                            |                 |
|              | Date: / /                          | Time                             |                                | Mathadi                                    |                            |                 |

| City of Mount Gambier       A240 ASSEMBLIES AND EVENTS ON STREETS AND OTHER COUNCIL LAND       Issued: August 2019         Mount Gambier       Mount Council Devices       August 2019         PART 5 - Traffic Control Devices       (a) Are any temporary traffic control devices required to be erected for the purpose of the proposed assembly.         YES/NO       (b) If YES, issue authorisation pursuant to Section 17 (Council delegation R.T.A.I. and delegation from Minister) and arrange for their erection.         PART 6 - Consultation       (a) Was this assessment made in consultation with SAPOL?         YES/NO       (b) If so:         Name:  |  |  |   | Version No:     | 7           |  |
|---|--|--|---|-----------------|-------------|--|
| ON STREETS AND<br>OTHER COUNCIL LAND       Next<br>Review:       August 2023         PART 5 - Traffic Control Devices       (a) Are any temporary traffic control devices required to be erected for the purpose of the proposed assembly.<br>YES/NO       (b) If YES, issue authorisation pursuant to Section 17 (Council delegation R.T.A.I. and delegation from Minister) and arrange for their erection.       PART 5 - Consultation       (a) Was this assessment made in consultation with SAPOL?<br>YES/NO       (b) If So:       Name:       August 2023         (b) If so:       Name:       Date: / / Time: AM/PM         PART 7 - Council By - Laws       (a) Any approvals required pursuant to Council By - Laws?<br>YES/NO       (b) If so:         (b) If so:       Details:       DATED this       day of 20         GENERAL MANAGEER CITY INFRASTRUCTURE       OR       GENERAL MANAGEER CITY GROWTH         OR       CHIEF EXECUTIVE OFFICER       NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure. | City of<br>Mount Gambier   | A240 ASSEMBLIES AND EVENTS               |   | Issued:         | August 2019 |  |
| PART 5 - Traffic Control Devices         (a) Are any temporary traffic control devices required to be erected for the purpose of the proposed assembly.         YES/NO         (b) If YES, issue authorisation pursuant to Section 17 (Council delegation R.T.A.I. and delegation from Minister) and arrange for their erection.         PART 6 - Consultation         (a) Was this assessment made in consultation with SAPOL?         YES/NO         (b) If so:         Name:         Name:         Datte:       /         Time:       AM/PM         PART 7 - Council By - Laws         (a) Any approvals required pursuant to Council By – Laws?         YES/NO         (b) If so:         DATED this       day of         20         GENERAL MANAGER CITY INFRASTRUCTURE         OR         GENERAL MANAGER CITY GROWTH         OR         CHIEF EXECUTIVE OFFICER         NOTE:       Pat 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  |  | ON<br>OTHEF                              | STREETS AND<br>R COUNCIL LAND                               | Next<br>Review: | August 2023 |  |
| <ul> <li>(a) Are any temporary traffic control devices required to be erected for the purpose of the proposed assembly.<br/>YES/NO</li> <li>(b) If YES, issue authorisation pursuant to Section 17 (Council delegation R.T.A.I. and delegation from Minister) and arrange for their erection.</li> <li>PART 6 - Consultation <ul> <li>(a) Was this assessment made in consultation with SAPOL?</li> <li>YES/NO</li> </ul> </li> <li>(b) If so: <ul> <li>Name:</li></ul></li></ul>   | <u>PART 5</u> - Traffic Cor  | ntrol Devices                            |   |                 |             |  |
| YES/NO (b) If YES, issue authorisation pursuant to Section 17 (Council delegation R.T.A.I. and delegation from Minister) and arrange for their erection. PART 6 - Consultation (a) Was this assessment made in consultation with SAPOL? YES/NO (b) If so: Name:Date: / / Time: AM/PM PART 7 - Council By - Laws (a) Any approvals required pursuant to Council By – Laws? YES/NO (b) If so: Details: DATED this day of 20 GENERAL MANAGER CITY INFRASTRUCTURE OR GENERAL MANAGER CITY GROWTH OR CHIEF EXECUTIVE OFFICER NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | (a) Are any tempora<br>proposed assen  | ary traffic control c<br>nbly.           | levices required to be erected                              | for the purp    | ose of the  |  |
| <ul> <li>(b) If YES, issue authorisation pursuant to Section 17 (Council delegation R.T.A.I. and delegation from Minister) and arrange for their erection.</li> <li><u>PART 6</u> - Consultation <ul> <li>(a) Was this assessment made in consultation with SAPOL?</li> <li>YES/NO</li> <li>(b) If so:</li> <li>Name:Date: / / Time: AM/PM</li> </ul> </li> <li><u>PART 7</u> - Council By - Laws <ul> <li>(a) Any approvals required pursuant to Council By – Laws?</li> <li>YES/NO</li> <li>(b) If so:</li> <li>Details:</li> <li>DATED this day of 20</li> </ul> </li> <li><u>GENERAL MANAGER CITY INFRASTRUCTURE</u></li> <li>OR</li> <li><u>GENERAL MANAGER CITY GROWTH</u></li> <li>OR</li> <li><u>CHIEF EXECUTIVE OFFICER</u></li> <li>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.</li> </ul>   | YES/NO   |  |   |                 |             |  |
| PART 6 - Consultation (a) Was this assessment made in consultation with SAPOL? YES/NO (b) If so: Name:Date: / / Time: AM/PM PART 7 - Council By - Laws (a) Any approvals required pursuant to Council By – Laws? YES/NO (b) If so: Details: DATED this day of 20 GENERAL MANAGER CITY INFRASTRUCTURE OR GENERAL MANAGER CITY GROWTH OR CHIEF EXECUTIVE OFFICER NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.   | (b) If YES, issue au delegation from   | thorisation pursua<br>Minister) and arra | ant to Section 17 (Council dele<br>ange for their erection. | gation R.T.A    | .I. and     |  |
| (a) Was this assessment made in consultation with SAPOL?<br>YES/NO<br>(b) If so:<br>Name:Date: / / Time: AM/PM<br>PART 7 - Council By - Laws<br>(a) Any approvals required pursuant to Council By – Laws?<br>YES/NO<br>(b) If so:<br>Details:<br>DATED this day of 20<br>GENERAL MANAGER CITY INFRASTRUCTURE<br>OR<br>GENERAL MANAGER CITY GROWTH<br>OR<br>CHIEF EXECUTIVE OFFICER<br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | PART 6 - Consultat   | ion                                      |   |                 |             |  |
| YES/NO (b) If so: Name:Date: / / Time: AM/PM PART 7 - Council By - Laws (a) Any approvals required pursuant to Council By – Laws? YES/NO (b) If so: Details: DATED this day of 20 GENERAL MANAGER CITY INFRASTRUCTURE OR GENERAL MANAGER CITY GROWTH OR CHIEF EXECUTIVE OFFICER NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | (a) Was this assess  | ment made in cor                         | nsultation with SAPOL?                                      |                 |             |  |
| (b) If so:<br>Name:Date: / / Time: AM/PM<br>PART 7 - Council By - Laws<br>(a) Any approvals required pursuant to Council By – Laws?<br>YES/NO<br>(b) If so:<br>Details:<br>DATED this day of 20<br>GENERAL MANAGER CITY INFRASTRUCTURE<br>OR<br>GENERAL MANAGER CITY GROWTH<br>OR<br>CHIEF EXECUTIVE OFFICER<br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | YES/NO   |  |   |                 |             |  |
| Name:   | (b) If so:   |  |   |                 |             |  |
| PART 7 - Council By - Laws a) Any approvals required pursuant to Council By – Laws? YES/NO b) If so: Details: DATED this day of 20 DETERAL MANAGER CITY INFRASTRUCTURE DR   | Name:  |  | Date: / / Tir   | ne:             | AM/PM       |  |
| (a) Any approvals required pursuant to Council By – Laws?<br>YES/NO<br>(b) If so:<br>Details:<br>DATED this day of 20<br>GENERAL MANAGER CITY INFRASTRUCTURE<br>OR<br>GENERAL MANAGER CITY GROWTH<br>OR<br>CHIEF EXECUTIVE OFFICER<br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | PART 7 - Council By  | / - Laws                                 |   |                 |             |  |
| YES/NO b) If so: Details: DATED this day of 20 BENERAL MANAGER CITY INFRASTRUCTURE DR BENERAL MANAGER CITY GROWTH DR HIEF EXECUTIVE OFFICER JOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | a) Anv approvals r   | equired pursuant f                       | to Council By – Laws?                                       |                 |             |  |
| (b) If so:<br>Details:<br>DATED this day of 20<br><u>GENERAL MANAGER CITY INFRASTRUCTURE</u><br>OR<br><u>GENERAL MANAGER CITY GROWTH</u><br>OR<br><u>GENERAL MANAGER CITY GROWTH</u><br>OR<br><u>CHIEF EXECUTIVE OFFICER</u><br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | YES/NO   |  | ,   |                 |             |  |
| Details:<br>DATED this day of 20<br><u>SENERAL MANAGER CITY INFRASTRUCTURE</u><br>DR<br><u>SENERAL MANAGER CITY GROWTH</u><br>DR<br><u>HIEF EXECUTIVE OFFICER</u><br>IOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.   | o) If so:  |  |   |                 |             |  |
| DATED this day of 20<br><u>BENERAL MANAGER CITY INFRASTRUCTURE</u><br>DR<br><u>BENERAL MANAGER CITY GROWTH</u><br>DR<br><u>HIEF EXECUTIVE OFFICER</u><br>JOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.   | ,<br>Details:  |  |   |                 |             |  |
| GENERAL MANAGER CITY INFRASTRUCTURE<br>DR<br>GENERAL MANAGER CITY GROWTH<br>DR<br>CHIEF EXECUTIVE OFFICER<br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.   | DATED this   | dav of                                   | 20  |                 |             |  |
| SENERAL MANAGER CITY INFRASTRUCTURE   |  |  |   |                 |             |  |
| OR<br><u>GENERAL MANAGER CITY GROWTH</u><br>OR<br><u>CHIEF EXECUTIVE OFFICER</u><br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | GENERAL MANAGE   | ER CITY INFRAS                           | TRUCTURE  |                 |             |  |
| <u>GENERAL MANAGER CITY GROWTH</u><br>OR<br><u>CHIEF EXECUTIVE OFFICER</u><br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | OR   |  |   |                 |             |  |
| GENERAL MANAGER CITY GROWTH<br>OR<br>CHIEF EXECUTIVE OFFICER<br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  |  |  |   |                 |             |  |
| OR<br><u>CHIEF EXECUTIVE OFFICER</u><br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | GENERAL MANAGER CITY GROWTH  |  |   |                 |             |  |
| CHIEF EXECUTIVE OFFICER<br>NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.   | OR   |  |   |                 |             |  |
| NOTE: Part 5 (Ministerial delegation) must be actioned by General Manager City Infrastructure.  | CHIEF EXECUTIVE OFFICER  |  |   |                 |             |  |
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Page 3 of 4

|                          |                                      | Version No:     | 7           |
|--------------------------|--------------------------------------|-----------------|-------------|
| City of<br>Mount Gambier | A240 ASSEMBLIES AND EVENTS           | Issued:         | August 2019 |
|                          | ON STREETS AND<br>OTHER COUNCIL LAND | Next<br>Review: | August 2023 |

### 4. AVAILABILITY OF POLICY

This Policy will be available for inspection at Council's principal office during ordinary business hours and on the Council's website <u>www.mountgambier.sa.gov.au</u>. Copies will also be provided to interested members of the community upon request, and upon payment of a fee in accordance with Council's Schedule of Fees and Charges.

| File Reference:              | AF11/1747   |
|------------------------------|---|
| Applicable Legislation:      | Public Assemblies Act 1972<br>Summary Offences Act 1953<br>Local Government Act 1999<br>Road Traffic Act 1961 |
| Reference:                   |   |
| Strategic Plan – Beyond 2015 |   |
| Related Policies:            |   |
| Related Procedures:          |   |
| Related Documents:           |   |

## DOCUMENT DETAILS

| Responsibility:           | General Manager City Infrastructure or   |
|---------------------------|--|
|                           | General Manager City Growth  |
| Version:                  | 7.0  |
| Last revised date:        | 20 August 2019   |
| Effective date:           | 20 August 2019   |
| Minute reference:         | Council Meeting 20 August 2019 - Minute Ref. ##  |
| Next review date:         | August 2023  |
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|                           | February, 2015, 16 <sup>th</sup> May, 2017, 20 <sup>th</sup> August, 2019                                  |

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| City of       | B150 BUILDING  | Version<br>No:  | 7                          |
|---------------|--|-----------------|----------------------------|
| Mount Gambier | SEWER CONNECTIONS, WASTE<br>MANAGEMENT CONTROL AND THE<br>PROVISION OF TOILET FACILITIES | Next<br>Review: | August 2019<br>August 2023 |

### 1. INTRODUCTION

This document sets out the policy of the City of Mount Gambier ("Council") for the connection of South Australian Water Corporation sewer to and/or the installation of wastewater systems on properties within the Council area.

For the purpose of this Policy, refer to the SA Health On-site Wastewater System Code for an Aerobic Wastewater Treatment System (AWTS).

#### 2. PLANNING - NEW BUILDINGS, LAND DIVISIONS AND DEVELOPMENTS

- (a) Where planning and building consents/Development approval are granted for a new building/development on an existing parcel of land to which the SA Water Corporation sewer system is not available, then sewage disposal shall be in accordance with the following:
  - 1. Extension of the SA Water sewer system;
  - Where (1 as above) is not practical, sewage is to be disposed of by pumping sewage or septic tank effluent from the parcel of land to the nearest SA Water Corporation sewer connection;
  - Where (2 as above) is not practical by pumping sewage to the nearest SA Water Corporation sewer connection, sewage is to be disposed of by installing an approved aerobic wastewater treatment system, or other appropriate on-site wastewater treatment system.
- (b) Where an approved aerobic wastewater treatment system or other approved system is installed in accordance with this policy, the premises must be connected to the SA Water Corporation sewer system within three (3) months of such sewer becoming available to the parcel of land.

#### 3. SEWER CONNECTIONS - EXISTING BUILDINGS

- (a) All premises are to be connected to the SA Water Corporation sewer if available to the parcel of land.
- (b) All premises to which sewer is not currently available are to be connected to the SA Water Corporation sewer system within three (3) months of such sewer becoming available to the parcel of land.

#### 4. DISPOSAL OF WASTEWATER

- (a) The minimum disposal area (for irrigation systems of AWTS) is 280m<sup>2</sup> to minimise storage of wastewater in the soil.
- (b) It is encouraged that multi barrier solutions (e.g. Pressure Dosed Distribution Bed and Mounds) for disposal of wastewater are used in conjunction with an AWTS.



|                          |  | Version<br>No:  | 7           |
|--------------------------|--|-----------------|-------------|
| City of<br>Mount Gambier | SEWER CONNECTIONS, WASTE                                     | Issued:         | August 2019 |
|                          | MANAGEMENT CONTROL AND THE<br>PROVISION OF TOILET FACILITIES | Next<br>Review: | August 2023 |

## 5. ON-SITE WASTEWATER SYSTEM

- (a) Approval from Council must be received before installation of the on-site wastewater system commences.
- (b) The on-site wastewater system must be on the Department of Health and Ageing (SA Health) approved products list.

#### 6. DISPENSATION

Council may, in any case in which Council deems it expedient, dispense with the observance of this policy, or any part thereof, either absolutely or on such terms and conditions as the Council deems proper.

## 7. REVIEW & EVALUATION

This Policy is scheduled for review by Council in June 2019; however, will be reviewed as required by any legislative changes which may occur.

#### 8. AVAILABILITY OF POLICY

This Policy will be available for inspection at Council's principal office during ordinary business hours and on the Council's website <u>www.mountgambier.sa.gov.au</u>. Copies will also be provided to interested members of the community upon request, and upon payment of a fee in accordance with Council's Schedule of Fees and Charges.

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|                          | B450 BUILDING  | Version<br>No:  | 7           |
|--------------------------|--|-----------------|-------------|
| City of<br>Mount Gambier | SEWER CONNECTIONS, WASTE                                     | Issued:         | August 2019 |
|                          | MANAGEMENT CONTROL AND THE<br>PROVISION OF TOILET FACILITIES | Next<br>Review: | August 2023 |

| File Reference:              | AF18/47 |
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| Applicable Legislation:      |         |
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| Strategic Plan – Beyond 2015 |         |
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| Related Procedures:          |         |
| Related Documents:           |         |

## DOCUMENT DETAILS

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|                           | February 2015; 19 June 2018, 20 August 2019  |

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|---|-------------|
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| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

## 1. INTRODUCTION

This document sets out the policy of the City of Mount Gambier ("Council") for land divisions and their associated road construction, within the Council area.

### 2. PLANNING REQUIREMENTS

- (a) In addition to the plans and specification requirements for land divisions, as detailed in Schedule 5 of the Development Regulations 2008, a development application and supporting material shall include the following:
  - 1. Where new roads are to be created proposed road reserve and road pavement widths; and
  - 2. Reference to and details of any proposed fencing, particularly fencing adjoining reserves/screening reserves.
  - 3. Street trees are encouraged in land divisions. They must be properly planned for and integrated as part of the overall land division proposal. A Plan of the land division showing proposed street trees should accompany the Development Application. The number, position and type of street trees shall be at the total discretion of Council and should be discussed with Council prior to submitting the proposal. The cost of purchasing any agreed to street trees shall be totally borne by the applicant/land developer

## 3. STREET NAMES

(a) Proposed street names associated with the overall land division (including estate name etc.) shall comply with Council Policy S135 STREETS - Naming of.

## 4. LAND MANAGEMENT AGREEMENTS

(a) Where appropriate, Council is prepared to accept Land Management Agreements, in accordance with the provisions of the Development Act 1993 and Development Regulations 2008. Such Land Management Agreements are only be used in relation to the development and initial maintenance of screening reserves and development requirements for small allotments. The use of any Land Management Agreement shall be at the total discretion of Council. All costs associated with the preparation of a Land Management Agreement (including any draft agreement) for any matter and its final lodgement and execution shall be totally borne by the applicant/land developer.

#### 5. RESERVES

- (a) Council, when dealing with land division applications, seek where appropriate, to have public open space contributions in parcels of at least 2,000m<sup>2</sup> in area and on flat land. Such areas should link with other reserves where possible and practicable.
- (b) In instances when screening reserves are required, the Development Approval and/or Land Management Agreement, should include a request for the Developer to fence the screening reserve and develop the reserve in accordance with a plan approved by Council;
- (c) Council aims to plant out public open space reserves to the equivalent of approximately 10% of the reserve area, with the remainder of the area to be left grassed, to allow for low level active and passive recreation.

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|---|--------------|
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| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

## 6. CLEARANCE/CERTIFICATE OF APPROVAL

- (a) Where Council has been engaged to undertake the physical construction works, associated with the land division (or part works), <u>all</u> money for the cost of the work shall be paid to Council prior to Council clearing the land division and advising the State Commission Assessment Panel (SCAP) that it can issue the Certificate of Approval for the plan of division; and
  - where a private contractor has been engaged to undertake the physical construction works, associated with the land division (or part works), <u>all</u> of the work shall be completed to the satisfaction of Council, prior to Council clearing the land division and advising the SCAP that it can issue the Certificate of Approval for the plan of division; or
  - 2. where a private contractor has been engaged to undertake the work, the contracted sum shall be lodged with Council in the form of cash or bank guarantee, together with an agreement (which sets out the construction stages and timing of each stage for the whole of the works) that will allow Council to draw upon deposited funds or bank guarantee to complete outstanding works. If works fall more than 30 days behind the submitted schedule, Council will have the sole discretion in the decision to complete the works, or to grant time extensions.
- (b) The form of bank guarantee is to be such that no termination date of the guarantee is to be specified, and the guarantee can only be cancelled on the written advice of the Chief Executive Officer of Council.
- (c) Upon receipt of the contract sum (or other amount as determined to be reasonable by Council) and the signed works schedule agreement, Council will clear the land and advise the SCAP that it can issue the Certificate of Approval for the plan of division.

## 7. DEPRESSIONS - PRONE TO FLOODING

- (a) Where a land division includes land that is situated within a depression, and may be prone to flooding, Council will endeavor to have the land transferred to Council for reserve purposes.
- (b) The applicant, with the assistance of a professionally qualified and experienced Engineer, assess any depression situated within a proposed land division, which may become flooded and develop a strategy, based on current engineering design principles, to eliminate or reduce the flooding or potential for flooding to any property. The applicant will be required to submit the strategy (which is to include engineering plans showing retention areas, drainage pits, bores, contouring, etc. if appropriate) to Council for approval and if approved, incorporate same into the overall development plan for the land division.
- (c) Where there is a depression situated within a proposed land division, which may be prone to flooding, Council will impose the following conditions, when considered necessary, following execution of the strategy as developed in accordance with 7(b):



| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

- (d) Council will ensure, to the best of its resources, that any flooding problem has been satisfactorily overcome prior to issuing any approval.
- (e) Where a flooding problem is unable to be satisfactorily overcome, the land division application should not be approved by Council.

#### 8. ENGINEERING WORKS

The applicant is required to submit for approval, design plans for all the engineering works associated with the land division and such plans are to include:

- 1. Road Hierarchy, Design and Construction Standards;
- 2. Kerb Profile;
- 3. Drainage;
- 4. Footpaths; and
- 5. Crossing Places.

## 9. ROAD HIERARCHY, DESIGN AND CONSTRUCTION STANDARDS

Philosophy

- (a) The development road hierarchy is to reflect the different road functions, ranging from traffic distribution to shared traffic, pedestrian and recreation use. Road design, based on current engineering standards is to be consistent with the road hierarchy, land use and land forms.
- (b) Development should generally be undertaken in a manner consistent with general policies contained in the Mount Gambier (City) Development Plan.
- (c) Table 1 is to be used in developing design criteria consistent with this philosophy.

| Туре       | Maximum 24<br>Hour Traffic<br>Volume | Projected No. of<br>Allotments<br>Serviced | Maximum<br>Design<br>Speed<br>km/h | Road<br>Reserve<br>Width<br>(metres) | Carriageway<br>Width<br>(metres) | Minimum<br>Pavement<br>Thickness<br>(mm) |
|------------|--------------------------------------|--|------------------------------------|--------------------------------------|----------------------------------|--|
| Access     | 100                                  | < 10                                       | 30                                 | <12.5                                | 4.5 to 7.0                       | 250                                      |
| Place      |                                      |  |                                    |                                      |                                  |  |
| Access     | 250                                  | <25  | 40                                 | <14.0                                | 4.5 to 8.0                       | 250                                      |
| Street     |                                      |  |                                    |                                      |                                  |  |
| Minor      | 1000 to 2000                         | <100                                       | 40                                 | 13 to 15                             | 6.00 to 8.0                      | 300                                      |
| Collector  |                                      |  |                                    |                                      |                                  |  |
| Street     |                                      |  |                                    |                                      |                                  |  |
| Major      | 2000 to 6000                         | 100 to 600                                 | 60                                 | 14 to 17                             | 7.0 to 10.0                      | 300                                      |
| Collector  |                                      |  |                                    |                                      |                                  |  |
| Street     |                                      |  |                                    |                                      |                                  |  |
| Major      | 6000                                 | 600 +                                      | 60                                 | 15 to 19                             | 8.0 to 12.0                      | 300*                                     |
| industrial |                                      |  |                                    |                                      |                                  |  |
| Road       |                                      |  |                                    |                                      |                                  |  |

#### Table 1: Road design criteria

\* Pavement design many be required to verify selected pavement thickness.

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|---|--------------|
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| City of                           |         | Version No:     | 13          |
|-----------------------------------|---------|-----------------|-------------|
| Mount Gambier L130 LAND DIVISIONS | Issued: | August 2019     |             |
|                                   |         | Next<br>Review: | August 2023 |

#### Technical requirements - Road Design

- (a) Centre line grades generally should be a maximum of 10%, absolute minimum of 0.4%. Steeper grades, over a short distance will be permitted subject to the prior approval of the General Manager City Infrastructure or Engineering Design and Contract Management.
- (b) Intersections in areas of steep grades should be avoided if possible. Intersection storage area for one vehicle is desirable. Intersection site distances should comply with current engineering standards, as should all the design work within the proposed development.
- (c) In roads classified as local streets or collector roads, consideration should be given to the installation of accepted traffic management devices to control traffic flow and speed (e.g. roundabouts, slow points etc).
- (d) Where a new road is to intersect with a connector road or major local road/industrial road, developers are encouraged to be innovative in the design to ensure vehicles leaving the main road do so at a very low speed for the safety of all road users. Such designs are to be in accordance with the Code of Practice for the Installation of Traffic Control Devices in South Australia. If the developer and the General Manager City Infrastructure cannot agree on a suitable intersection treatment then this may be referred to Council for a final and binding decision.
- (e) Road cross fall should generally be in the range of 1 in 20 (5%) to 1 in 50 (2%) with the desirable being 1 in 33 (3%).
- (f) One way cross fall may be utilised, where the land form is such that the road will tie into existing natural surface levels more readily than with the conventional and desired 2-way cross fall with centre crown.

## 10. KERB PROFILE

- (a) Kerb and channel is required to both sides of all streets to provide a structural pavement edge, a drainage mechanism and to delineate vehicle movements. This does not apply to allotments within a Country Living or Rural Living Zone.
- (b) Pavement edges may be provided as follows:
  - 1. Access place and local street roll-over profile;
  - 2. Collector road and industrial road roll-over profile and/or barrier profile;
  - 3. Major local road barrier profile or adjacent to reserves where no access is required;
  - 4. Other kerb profiles may be used subject to the <u>prior</u> approval of the General Manager City Infrastructure or Engineering Design and Contract Management and the provision of kerb inverts at the location shown on the engineering drawings.
- (c) Kerb and channel is to be constructed using concrete of twenty eight (28) day strength of 2OMPa (F'c=25MPa). All concrete surfaces within the development to be finished to a steel float finish.
- (d) Kerb transition between types shall be made over 3 metres.





#### 11. ROAD PAVEMENT REQUIREMENTS

- (a) Table 1 gives minimum pavement depths (as a general guide) but they may be increased depending on the quality and type of sub-grade material and also based on:
  - the design of flexible pavements as per the Austroads Design Guide Part 2 Guide to Pavement technology, Pavement Structural Design method using equivalent standard axle (ESA's) loadings based on 10 vehicles per day per allotment and a twenty year design life; OR
  - 2. road designs shall provide for concrete pavement based on the Concrete and Cement Associations design tables.
- (b) All flexible pavements shall be constructed of materials approved by the General Manager City Infrastructure or Manager Engineering Design and Contracts.
  - Where there is any doubt about the quality of proposed pavement materials, the General Manager City Infrastructure or Manager Engineering Design and Contracts may require laboratory testing of materials as follows:
    - Sieve Analysis (Gradings)
    - Atterberg Limits
  - 2. All testing to be carried out by a National Association of Testing Authorities (NATA) registered laboratory.
  - Material, in the opinion of the General Manager City Infrastructure or Manager Engineering Design and Contracts, not considered suitable for road pavement construction is not to be used.
- (c) Pavement density testing is required on all works prior to placement of seal coat, pavers, asphalt etc. Unless otherwise indicated by the General Manager City Infrastructure or Manager Engineering Design and Contracts, the modified density test method shall be used.
- (d) The road pavement is to extend a minimum of 150mm behind the back of kerb and a minimum of 100mm under the base of kerb. Kerb base material is to be compacted to the same specifications as the road pavement.
- (e) An Asphalic concrete (hotmix) surface is to be provided to all roadways to the satisfaction of the General Manager City Infrastructure or Manager Engineering Design and Contracts. The design of the hotmix surface to be to the satisfaction of the General Manager City Infrastructure or Manager Engineering Design and Contracts; and may include a

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| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

requirement to use a mix design utilizing polymer modified binders.

#### 12. VEHICLE TURNING MOVEMENTS

All vehicle turning movements shall be deemed to comply with performance measures when compared with templates contained in the National Association of Australian State Road Authorities Design Vehicles and Turning Templates, as follows:

- (a) for turning movements involving major local roads/industrial roads, the design semi trailer with radius 12.5 metres shall be used;
- (b) for turning movements involving collector roads but not major local roads/industrial roads, the design single unit truck with radius 12.5 metres shall be used;
- (c) for major local roads/industrial roads, the largest design vehicle likely to enter the land division shall dictate the road geometric design.
- (d) for turning movements involving local streets or access places, but not involving major local roads/industrial roads or collector roads, the design car with radius 8.0 metres shall be used;
- (e) for turning movements at the head of dead-ended streets, sufficient area shall be provided for the design car to make a complete turn. Pavement shapes may be one of, but not restricted to:



(f) Access places and access streets should not exceed 150 metres in length. It is desirable streets interconnect at 90 degree junctions separated by at least fifty (50) metres. Cross roads and "Y" junctions are to be avoided, to reduce the likelihood of road-user accidents.

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|---|--------------|
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| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

## 13. MATERIALS FOR ROADWORKS

#### (a) General:

- 1. All material shall be clean, sound, hard and durable. Foreign material shall not be present in sufficient quantity to produce adverse effect upon the usage or performance of the material.
- 2. All material shall be produced from natural rock or sand deposits and shall be preapproved by the General Manager City Infrastructure or Manager Engineering Design and Contracts prior to its use.
- 3. The contractor shall be required to submit a reference sample of the proposed material and to undertake the following laboratory testing of the material:
  - Sieve analysis (gradings)
  - Atterberg limits
- 4. Appendix 1 Pavement Material Specification, shall be referred to and used as the general document to determine the acceptability of various classes of materials to be used in roadworks. The suitability of fill material shall be determined on a case by case basis by the General Manager City Infrastructure or Manager Engineering Design and Contracts or his appointed nominee but generally shall conform to the requirements as indicated in 13(b) Fill material.
- (b) Fill Material:
  - Excavated material may be used as fill material provided it is considered acceptable by the General Manager City Infrastructure or Manager Engineering Design and Contracts, but shall consist of the following properties:
    - particle size to not exceed 75mm;
    - be free of organic or other foreign matter;
    - under proof rolling, not show any signs of deformation, rutting, softness or yielding or be unstable;
    - · be stable under various moisture contents with minimal swell or shrinkage.
  - Proof rolling shall be used to determine the acceptability of a material placed as fill and shall be undertaken by using either a fully laden water cart or other heavy machine exceeding 10 tonne in mass.
  - 3. Fill material shall be placed in layers of between 150 200mm loose thickness.

Proof rolling is a <u>hold point</u> in roadwork construction and the contractor shall not proceed to the next stage until approval has been granted by the General Manager City Infrastructure or Manager Engineering Design and Contracts.



| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

- (c) Sub-grade:
  - 1. The sub-grade shall be prepared to produce a tight dense surface and shall be compacted to not less than 95% of standard maximum dry density for all roadways up to and including residential class. For road classes considered above residential (i.e. industrial and or collector) the sub-grade shall be compacted to a level as determined by the General Manager City Infrastructure or Manager Engineering Design and Contracts and based on the materials sub-grade California Bearing Ratio (CBR) value and its resilient modulus. The method for determining the sub-grade materials CBR value shall be in accordance with the Austroads pavement design manual "A Guide to the Structural Design of Road Pavements."

The testing and verification of the sub-grade is a <u>hold point</u> in the road construction and the contractor shall not proceed to the next stage until approval has been granted by the General Manager City Infrastructure or Manager Engineering Design and Contracts.

#### (d) Sub-base:

- For roads up to and including residential class, the sub-base layer shall consist of either 40mm crushed limestone rubble as approved by the General Manager City Infrastructure or Manager Engineering Design and Contracts, and in accordance with the material properties as indicated below, or PM2/40QG as specified in Appendix 1
   Pavement Material Specification. The minimum sub-base thickness shall be 150mm, and with no individual layer placed exceeding a compacted thickness of 150mm.
- 2. A minimum compaction of 96% MDD is required and tested at a frequency of 1 test per 500m<sup>2</sup> per sub-base layer.
- Material to be used is generally described as non-plastic cementitious coraline limestone rubble. It shall be graded and all material shall pass a 75mm screen, with the maximum dimensions being not more than 100mm. It shall be free of deleterious material. Surfaces containing oversize material may be rejected.
- Contractors are required to provide a NATA laboratory analysis of the material being used. The analysis is to include:
  - particle size distribution to AS1289 C.6.1 (sampled in accordance with AS1141.3);
  - consistency limits and moisture content to AS1289.

<u>NOTE</u>: If the above tests are superseded by revised Australian Standards, such new standards to be used and listed.

- 5. During the course of the works, any substantial variation in the material may be rejected. The General Manager City Infrastructure or Manager Engineering Design and Contracts will have sole discretion on definition of substantial variation.
- 6. The contractor shall supply two samples in suitable containers. Samples shall weigh at least eight (8) kilograms each and be lodged at the time of tender or at least two (2) weeks before work commences on site. The samples will be marked. One sample will be returned to the contractor and the other sample will be retained by Council.

| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

7. For road classes considered above residential (i.e. industrial and or collector status) the sub-base material and layer thickness and compaction specification shall be determined by a proper road pavement design process as referred to in the Austroads pavement design manual "A Guide to the Structural Design of Road Pavements" or approved equivalent design process, and shall take into account the design traffic loading for the road class.

The testing and verification of the sub-base is a <u>hold point</u> in the road construction and the contractor shall not proceed to the next stage until approval has been granted by the General Manager City Infrastructure or Manager Engineering Design and Contracts.

#### (e) Base:

- 1. For roads up to and including residential class, the base layer shall consist of a 100mm thick compacted layer of PM2/20QG.
- 2. A minimum compaction of 96% MDD is required for all sample points, tested at a frequency of 1 test per 250m<sup>2</sup> per layer.
- 3. For road classes considered above residential (i.e. industrial and or collector status) the base material and layer thickness and compaction specification shall be determined by a proper road pavement design process as referred to in the Austroads pavement design manual "A Guide to the Structural Design of Road Pavements" or approved equivalent design process, and shall take into account the design traffic loading for the road class.

The testing and verification of the base is a <u>hold point</u> in the road construction and the contractor shall not proceed to the next stage until approval has been granted by the General Manager City Infrastructure or Manager Engineering Design and Contracts.

- (f) <u>Construction Tolerances</u>
  - 1. Tolerances for the construction of various pavement courses shall comply with Table 2.

| Course    | Design Level<br>Tolerance | Layer Thickness<br>Tolerance | Shape Tolerance  |
|-----------|---------------------------|------------------------------|------------------|
| Sub-grade | + 30mm                    | + 30mm                       | 30mm in 3 metres |
| _         | - 30mm                    | - 30mm                       | maximum          |
| Sub-base  | + 20mm                    | + 20mm                       | 25mm in 3 metres |
|           | - 20mm                    | - 20mm                       | maximum          |
| Base      | + 10mm                    | + 15mm                       | 15mm in 3 metres |
|           | - 10mm                    | - 15mm                       | Maximum          |
| Overall   | + 20mm                    | + 20mm                       |                  |
|           | - 10mm                    | - 10mm                       |                  |

## Table 2: Construction Tolerances

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|--|--------------|
|--|--------------|



| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

(g) Final Trim

Following placement and compaction of base course material, the whole of the surface of base course shall be final graded and trimmed to the specified tolerances, so as to leave a hard, dense, tightly packed surface, free of defects. Road surfacing shall not be commenced until the profile, surface compaction, quality and finish of the base course have been inspected and approved by the General Manager City Infrastructure or Manager Engineering Design and Contracts.

This is a <u>hold point</u> in the road construction and the contractor shall not proceed to the next stage until approval has been granted by the General Manager City Infrastructure or Manager Engineering Design and Contracts.

#### 14. DRAINAGE

- (a) A detailed drainage design is required for all stages of the proposed land division, and if necessary, due to existing land form, include areas outside the proposed development but within the drainage catchment affecting the development;
- (b) Design shall be in accordance with procedures in the current edition of:

"Australian Rainfall and Runoff (IEA)" or other edition as approved by the General Manager City Infrastructure or Manager Engineering Design and Contracts; and the Environment Protection Authority Guidelines for stormwater management in Mount Gambier. These documents are to be used to determine the appropriate sizing on the drainage system for both minor and major storm events;

- (c) Drainage computations must be prepared by a qualified and experienced Engineer and submitted with the detailed engineering drawings for the proposed land division;
- (d) All stormwater runoff attributable to the proposed land division is to be adequately disposed of within the development area, or as otherwise approved by the General Manager City Infrastructure or Manager Engineering Design and Contracts;
- (e) As a general rule, side entry pits should be spaced no further than 100 metres apart; closer spacing if required, may be acceptable depending on conditions and detailed design;
- (f) Drainage bores and associated settlement tanks shall be constructed to meet the requirements of Council and the Department for Environment and Water – Natural Resources: South East (DEWNR:SE). Drainage capacity of any bore is to exceed the calculated drainage discharge for the designated stormwater system; and the bore is to be proved to the satisfaction of the General Manager City Infrastructure or Manager Engineering Design and Contracts;
- (g) Storage basins capable of holding the run-off of the designated rainfall storm shall be provided at suitable locations if drainage bores prove to be unacceptable;
- (h) Spoon drains, when required at junctions, shall be constructed to maintain the pavement width of the through street and to ensure continuity of flow of all stormwater. A spoon drain may not be constructed across a through street. Generally, spoon drains are not to be used unless approved by the General Manager City Infrastructure or Manager Engineering Design and Contracts;

| Electronic version on TRIM is the controlled version.   | Page 10 of 15 |
|---|---------------|
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| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

- (i) All stormwater storage basins are to be provided with appropriate warning signs and fencing where required to the satisfaction of the General Manager City Infrastructure or Manager Engineering Design and Contracts and in accordance with Council Policy S115 – Fencing of Stormwater Retention Basins;
- (j) Council requires a separate drainage reserve in land divisions of adequate area to provide stormwater treatment and retention for a one (1) in five (5) year storm event in residential areas and a one in ten (10) year storm event in other areas. Any requirements above these limits may be incorporated into the public open space calculation;
- (k) Drainage reserves may require perimeter fencing to be installed in accordance with Council Policy S115 – Fencing of Stormwater Retention Basins.

## 15. DOWN STREAM DRAINAGE CONTRIBUTION SCHEME

- a. Where possible and practical, Council will endeavour to direct stormwater from a new development (with development being defined as works requiring formal Development Plan Consent and Development Approval) to an existing stormwater bore and pit or stormwater detention/treatment system, that is deemed to have adequate capacity to accommodate flows. A condition of approval must be included in the Decision Notification Form for Development Approval to reflect this requirement.
- b. If, in the opinion of the General Manager City Infrastructure or Manager Engineering Design and Contracts, no such Council drainage system of adequate capacity is located within reasonable proximity, onsite disposal to the satisfaction of Council or the Environment Protection Authority is to become a condition of approval in the Decision Notification Form for Development Approval.
- c. In Development Applications that are not land divisions and (a) above applies, the developer where practical, is required to install an additional settlement pit, within the development area, at a point upstream of the connection into the Council drainage system, to the approval of the General Manager City Infrastructure or Manager Engineering Design and Contracts. Council will provide the settlement pit to the developer.
- d. Council adopt the principles set out in Engineering Report No. 38/96 as the basis for dealing with Development Applications that include stormwater discharge issues. In particular, Council encourage developers to liaise with adjoining landowners in instances where the drainage catchment crosses, property boundaries, with a view to a joint <u>private</u> arrangement for the provision of drainage infrastructure within the catchment, based on an engineering design approved by the General Manager City Infrastructure or Manager Engineering Design and Contracts.
- e. In the event of the developer being unable to satisfactorily negotiate an arrangement as per (c) above, Council proceed to implement the Downstream Drainage Contribution charge with a view to the provision of a suitable drainage <u>outfall</u> for the development in accordance with the approved engineering drainage design.
- f. The Downstream Drainage Contribution rate be set by Council at a rate/hectare for developments of one (1) hectare or greater, and a per square metre rate for developments less than one (1) hectare with Council reserving the right to alter these



| City of       |                     | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier | L130 LAND DIVISIONS | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

charges at its own discretion from time to time in accordance with (h) below.

- g. Development area is defined as the entire site, subject to Development Plan Consent and Development Approval or the clearly defined drainage area under consideration within the Development Application.
- h. Council review the Downstream Drainage Contribution rate annually and adjust as necessary to reflect the actual costs of fulfilling the objective of providing outfall and trunk drainage.
- i. Council establish a Downstream Drainage Reserve to fund the outfall and trunk drainage works, with contributions from developers, being credited to the reserve.

## 16. FOOTPATHS

- (a) Paved footpaths are to be provided where shared use of road pavement is not appropriate; and where potential volumes of pedestrians warrant formal construction to provide safe and adequate all weather links.
- (b) Footpaths shall be provided as follows:
  - 1. Industrial streets, local streets and access places carrying less than 400 vehicles per day shall have no separate constructed pedestrian path;
  - Streets carrying between 400 and 2000 vehicles per day shall have, on one side of the road pavement, a separate pedestrian path of concrete or blockwork of 1.5 metres width to the approved construction standard;
  - Collector roads and major local roads/industrial roads with greater than 2,000 vehicles per day, shall have on each side of the road pavement, a separate pedestrian path of concrete or blockwork of 1.5 metres width to an approved construction standard;
  - 4. Concrete footpaths shall be constructed to a minimum thickness of 80mm with regular control joints at 1.2 metres to 1.5 metre centres and 10mm expansion joints at 6.0 metre centres and with sections of paths extending through crossovers to be suitably steel reinforced to take the required traffic loading;
  - The footpaths shall be located on the relevant road reserves in accordance with the current edition of 'Code of Practice for Coordination of Work and Allocation of Space on Roads and Footpaths (South Australia)';
  - 6. All concrete footpaths are to have a broom finish;
  - Kerb Ramps shall be provided at every corner radius where footpaths are proposed. The location is to be approved by the General Manager City Infrastructure or Manager Engineering Design and Contracts. Kerb ramps shall comply with relevant AS1428 standards.

Warning Tactile Ground Surface Indicators (TGSI) shall be provided within kerb ramps. The ramps shall have a maximum grade of 1:8, as allowed in AS1428.4.

| Electronic version on TRIM is the controlled version.   | Page 12 of 15  |
|---|----------------|
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| City of       | L130 LAND DIVISIONS | Version No:     | 13          |
|---------------|---------------------|-----------------|-------------|
| Mount Gambier |                     | Issued:         | August 2019 |
|               |                     | Next<br>Review: | August 2023 |

- (c) The full width of footpaths (nature strips with or without paved path) shall be graded to slope toward the adjoining top of kerb at a rate of 0.040 metre (fall) per metre (width);
- (d) Details of blockwork and concrete footpaths are to be included with the detailed engineering drawings as submitted as part of the land division application.
- (e) The land owner/developer should have regard for the establishment of bike lane/bike paths within the road reserve (either on-road or off-road).

## 17. CROSSING PLACES

- (a) It is Council's expectations that one (1) paved crossover will be provided to each new allotment created by the land division. Crossing places <u>must</u> avoid road/drainage infrastructure, particularly stormwater pits, service pits etc.
- (b) Crossing places shall be constructed to the following:
  - finished grades shall be consistent with the adjoining roadway and footpaths (levels at the property boundaries shall be designated by the General Manager City Infrastructure or Engineering Design and Contract Management);
  - 2. materials shall be either reinforced concrete with a minimum thickness of 100mm for residential allotments (125mm to 150mm for industrial allotments); or
  - 3. blockwork of suitable strength and design for the expected vehicle movements (full design details must be submitted with engineering drawings).
- (c) Crossing place relocation due to inappropriate siting for a specific building design/development shall be the responsibility of the current owner of the allotment.

#### 18. STREET LIGHTS AND STREET SIGNS

- (a) Street lighting is to be designed and installed in accordance with the current Australian Standard and have regard to energy efficient lighting systems, with all costs associated with this requirement being borne by the developer.
- (b) Street signs shall be supplied (from an approved supplier) and erected so as to indicate the appropriate street namesto the reasonable satisfaction of the General Manager City Infrastructure or Manager Engineering Design and Contracts.

#### 19. DEFECTS LIABILITY PERIOD

- (a) Applicants are required to lodge with Council, (unless Council is the construction contractor) a standard agreement to indemnify Council against any defects that occur in any infrastructure (including but not limited to road and drainage infrastructure, reserves and retention basins, etc) for a period of twelve (12) months from the date of practical completion. The date of practical completion will be the date that Council accepts the engineering works;
- (b) The standard agreement will stipulate that any/all infrastructure faults are to be rectified by the applicant or to reimburse Council the full cost of all necessary works;

| Electronic version on TRIM is the controlled version.   | Page 13 of 15 |
|---|---------------|
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| City of<br>Mount Gambier L130 LAND DIVISIONS | Version No:         | 13              |
|--|---------------------|-----------------|
|  | L130 LAND DIVISIONS | Issued:         |
|  |                     | Next<br>Review: |

- (c) Council will notify the applicant in writing of practical completion in response to a <u>written</u> request by the applicant;
- (d) The applicant is required to notify Council when the following stages of the engineering works have been achieved and will not proceed until such works have been approved (including appropriate testing if required) by Council:

| HOLD POINTS   |  |  |  |  |  |
|---|--|--|--|--|--|
| The following stages are considered hold points in the process of road construction for roads up to and including residential class |  |  |  |  |  |
| ROADWORKS   |  |  |  |  |  |
| Stage   | Testing Required                       |  |  |  |  |
| 1. Cut/Fill   | Proof Rolling                          |  |  |  |  |
| 2. Sub-Grade Placement  | 95% SDD                                |  |  |  |  |
|   | 1 test per 500m² per layer             |  |  |  |  |
| 3. Sub-Base Placement   | 96% MDD                                |  |  |  |  |
|   | 1 test per 500m <sup>2</sup> per layer |  |  |  |  |
| 4. Base Placement   | 96% MDD                                |  |  |  |  |
|   | 1 test per 250m² per layer             |  |  |  |  |
| 5. Final trim prior to placement of   | Refer Table B construction             |  |  |  |  |
| wearing course  | lolerance                              |  |  |  |  |
| <ol> <li>Concrete Kerbing -<br/>Kerb base preparation prior to<br/>placement of kerbing</li> </ol>                                  | Visual inspection                      |  |  |  |  |
| 7. Stormwater -<br>Pipe laying prior to backfilling of<br>trenches  | Visual inspection                      |  |  |  |  |

## 20. PROVISION OF POWER TO NEW ALLOTMENTS

- (a) Where any new allotment is created the provision of electricity shall only be permitted to be installed as an above ground service (i.e. through the use of stobie poles), in areas where electricity is currently provided above ground.
- (b) In areas where there is currently no above ground electricity installed and any new allotment is created Council will require that the provision of electricity shall be provided via underground cables.

## 21. AVAILABILITY OF POLICY

This Policy will be available for inspection at Council's principal office during ordinary business hours and on the Council's website <u>www.mountgambier.sa.gov.au</u>. Copies will also be provided to interested members of the community upon request, and upon payment of a fee in accordance with Council's Schedule of Fees and Charges.

| Electronic version on TRIM is the controlled version.   | Page 14 of 15    |
|---|------------------|
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| City of<br>Mount Gambier | L130 LAND DIVISIONS | Version No:     | 13          |
|--------------------------|---------------------|-----------------|-------------|
|                          |                     | Issued:         | August 2019 |
|                          |                     | Next<br>Review: | August 2023 |
|                          |                     |                 |             |

| File Reference:                            | AF18/49   |  |
|--|---|--|
| Applicable Legislation:                    | Development Act 1993; Development Regulations 2008;   |  |
| Reference:<br>Strategic Plan – Beyond 2015 |   |  |
| Related Policies:                          | S115 – Fencing of Stormwater Retention Basins<br>S135 - STREETS - Naming of   |  |
| Related Procedures:                        |   |  |
| Related Documents:                         | Applicable Australian Standards; Road works<br>Construction Inspection Record; Mount Gambier (City)<br>Development Plan; Engineering Report No. 38/96 |  |

# DOCUMENT DETAILS

| Responsibility:  | General Manager City Infrastructure   |
|--|---|
| Version:   | 13.0  |
| Last revised date:   | 20 August 2019  |
| Effective date:  | 20 August 2019  |
| Minute reference:  | Council Meeting 20 August 2019 Item ##  |
| Next review date:  | August 2023   |
| Document History<br>First Adopted By Council:<br>Reviewed/Amended: | 18 <sup>th</sup> February 1999<br>19 <sup>th</sup> November 2002; 15 <sup>th</sup> April2003; 17 <sup>th</sup> January 2006; 20 <sup>th</sup> June<br>2006; 19 <sup>th</sup> September 2006; 15 <sup>th</sup> January 2008; 17 <sup>th</sup> February<br>2009; 16 <sup>th</sup> June 2010; 17 <sup>th</sup> February, 2015, 16 <sup>th</sup> May, 2017, 19 <sup>th</sup><br>June 2018; 25 <sup>th</sup> June 2019, 20 August 2019 |

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Specification: Part 215 Appendix 1

### APPENDIX 1

#### PAVEMENT MATERIAL SPECIFICATION

### LIST OF PRODUCTS

| Identification No. | Source   | Mix<br>Design | Product  |
|--------------------|----------|---------------|--|
|                    |          |               | SPALLS   |
| SP300              | Quarry   | No            | 300 mm Spalls  |
|                    |          |               | ROAD BALLAST   |
| RB100              | Quarry   | No            | 100 mm Road Ballast  |
| <b>RB6</b> 5       | Quarry   | No            | 65 mm Road Ballast   |
|                    |          |               | RAIL BALLAST   |
| RAIL50             | Quarry   | No            | 50 mm Rail Ballast   |
| RAIL60             | Quarry   | No            | 60 mm Rail Ballast   |
| RAIL60S            | Quarry   | No            | 60 mm Rail Ballast (steel sleepers)                          |
|                    | CLAS     | SS 3 REC      | YCLED PAVEMENT MATERIALS                                     |
| PM3/20RG           | Recycled | No            | 20 mm Class 3 Recycled Pavement Material [Grading Based]     |
| PM3/40RG           | Recycled | No            | 40 mm Class 3 Recycled Pavement Material [Grading Based]     |
| PM3/55RG           | Recycled | No            | 55 mm Class 3 Recycled Pavement Material [Grading Based]     |
| PM3/75RG           | Recycled | No            | 75 mm Class 3 Recycled Pavement Material [Grading Based]     |
|                    | CLA      | SS 3 QUA      | ARRIED PAVEMENT MATERIALS                                    |
| PM3/20QG           | Quarry   | No            | 20 mm Class 3 Quarried Pavement Material [Grading Based]     |
| PM3/40QG           | Quarry   | No            | 40 mm Class 3 Quarried Pavement Material [Grading Based]     |
| PM3/55QG           | Quarry   | No            | 55 mm Class 3 Quarried Pavement Material [Grading Based]     |
| PM3/75QG           | Quarry   | No            | 75 mm Class 3 Quarried Pavement Material [Grading Based]     |
|                    | CLAS     | SS 2 REC      | YCLED PAVEMENT MATERIALS                                     |
| PM2/20RG           | Recycled | No            | 20 mm Class 2 Recycled Pavement Material [Grading Based]     |
| PM2/30RG           | Recycled | No            | 30 mm Class 2 Recycled Pavement Material [Grading Based]     |
| PM2/40RG           | Recycled | No            | 40 mm Class 2 Recycled Pavement Material [Grading Based]     |
| PM2/20RM           | Recycled | Yes           | 20 mm Class 2 Recycled Pavement Material [Performance Based] |
| PM2/30RM           | Recycled | Yes           | 30 mm Class 2 Recycled Pavement Material [Performance Based] |
|                    | CLA      | SS 2 QUA      | ARRIED PAVEMENT MATERIALS                                    |
| PM2/20QG           | Quarry   | No            | 20 mm Class 2 Quarried Pavement Material [Grading Based]     |
| PM2/30QG           | Quarry   | No            | 30 mm Class 2 Quarried Pavement Material [Grading Based]     |
| PM2/40QG           | Quarry   | No            | 40 mm Class 2 Quarried Pavement Material [Grading Based]     |
| PM2/20QM           | Quarry   | Yes           | 20 mm Class 2 Quarried Pavement Material [Performance Based] |
| PM2/30QM           | Quarry   | Yes           | 30 mm Class 2 Quarried Pavement Material [Performance Based] |
|                    | CLAS     | SS 1 REC      | YCLED PAVEMENT MATERIALS                                     |
| PM1/20RG           | Recycled | No            | 20 mm Class 1 Recycled Pavement Material [Grading Based]     |
| PM1/30RG           | Recycled | No            | 30 mm Class 1 Recycled Pavement Material [Grading Based]     |
| PM1/40RG           | Recycled | No            | 40 mm Class 1 Recycled Pavement Material [Grading Based]     |
| DTEI XXCxxx        |          |               | Page   |

| Edition: October 2009 |          |     | Specification: Part 215 Appendix 1                           |  |
|-----------------------|----------|-----|--|--|
| PM1/20RM              | Recycled | Yes | 20 mm Class 1 Recycled Pavement Material [Performance Based] |  |
| PM1/30RM              | Recycled | Yes | 30 mm Class 1 Recycled Pavement Material [Performance Based] |  |

| Identification No.                  | Source   | Mix<br>Design | Product  |  |  |
|-------------------------------------|--|---------------|--|--|--|
| CLASS 1 QUARRIED PAVEMENT MATERIALS |  |               |  |  |  |
| PM1/20QG                            | Quarry   | No            | 20 mm Class 1 Quarried Pavement Material [Grading Based]     |  |  |
| PM1A/20QG                           | Quarry   | No            | 20 mm Class 1 Heavy Duty Quarried Pavement Material          |  |  |
| PM1B/20QG                           | Quarry   | No            | 20 mm Class 1 Heavy Duty Quarried Pavement Material          |  |  |
| PM1/30QG                            | Quarry   | No            | 30 mm Class 1 Quarried Pavement Material [Grading Based]     |  |  |
| PM1/40QG                            | Quarry   | No            | 40 mm Class 1 Quarried Pavement Material [Grading Based]     |  |  |
| PM1/20QM                            | Quarry   | Yes           | 20 mm Class 1 Quarried Pavement Material [Performance Based] |  |  |
| PM1/30QM                            | Quarry   | Yes           | 30 mm Class 1 Quarried Pavement Material [Performance Based] |  |  |
|                                     | :  | STABILI       | SED PAVEMENT MATERIAL  |  |  |
| Refer clause 215.9.1 fo             | Refer clause 215.9.1 for examples of nomenclature for this class of pavement material. |               |  |  |  |
|                                     |  | SI            | EALING AGGREGATE   |  |  |
| SA20-14                             | Quarry   | No            | 20/14 mm Sealing Aggregate                                   |  |  |
| SA16-10                             | Quarry   | No            | 16/10 mm Sealing Aggregate                                   |  |  |
| SA14-10                             | Quarry   | No            | 14/10 mm Sealing Aggregate                                   |  |  |
| SA10-7                              | Quarry   | No            | 10/7 mm Sealing Aggregate                                    |  |  |
| SA7-5                               | Quarry   | No            | 7/5 mm Sealing Aggregate                                     |  |  |
| SA5-2                               | Quarry   | No            | 5/2 mm Sealing Aggregate                                     |  |  |
|                                     |  |               | SAND   |  |  |
| Sa – A                              | Quarry/Pit   | No            | Type A Sand  |  |  |
| Sa – B                              | Quarry/Pit   | No            | Type B Sand  |  |  |
| Sa – C                              | Quarry/Pit   | No            | Type C Sand  |  |  |
| Sa – D                              | Quarry/Pit   | No            | Type D Sand  |  |  |
|                                     | 4  | ASPHAL        | T AGGREGATE AND FILLER                                       |  |  |
| 35-14                               | Quarry   | No            | 16/10 mm Asphalt Aggregate                                   |  |  |
| 20-14                               | Quarry   | No            | 20/14 mm Asphalt Aggregate                                   |  |  |
| 14-7                                | Quarry   | No            | 10/7 mm Asphalt Aggregate                                    |  |  |
| 7-2                                 | Quarry   | No            | 7/5 mm Asphalt Aggregate                                     |  |  |
| NsA                                 | Quarry   | No            | Natural Sand - Asphalt                                       |  |  |
| QSA                                 | Quarry   | No            | Quarry Sand - Asphalt  |  |  |
| MF                                  | -  | No            | Mineral Filler for Asphalt. Other than Hydrated Lime         |  |  |

Note 1: Source may include recycled materials subject to prior written approval.

DTEI XXCxxx

Specification: Part 215 Appendix 1

SPALLS

#### SOURCE MATERIALS

Source materials shall be natural quarried material and shall be free from laminations or weak cleavages and of such character that they will not disintegrate from the action of the sea, sand or weather. No recycled material is permitted to be included.

#### PRODUCT QUALITY CONTROL

| TEST PROCEDURE             | MANUFACTURING TOLERANCE |                        |  |  |
|----------------------------|-------------------------|------------------------|--|--|
| QUALITY CONTROL TESTS      |                         |                        |  |  |
|                            | Product                 | 300 mm Spalls<br>SP300 |  |  |
| Particle Size Distribution | Sieve Size (mm)         | Percent Passing        |  |  |
| AS 1141.11                 | 300                     | 100                    |  |  |
|                            | 125                     | 0 - 30                 |  |  |
|                            | 75                      | 0-2                    |  |  |

DTEI XXCxxx





Specification: Part 215 Appendix 1

### ROAD BALLAST

### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

## PRODUCT QUALITY CONTROL

| TEST PROCEDURE             | MANUFACTURING TOLERANCE |                          |                        |  |
|----------------------------|-------------------------|--------------------------|------------------------|--|
| QUALITY CONTROL TESTS      |                         |                          |                        |  |
|                            | Product                 | 100 mm Ballast<br>RB-100 | 65 mm Ballast<br>RB-65 |  |
|                            | Sieve Size (mm)         | Percent Passing          |                        |  |
|                            | 125                     | 100                      |                        |  |
| Particle Size Distribution | 106                     | 90 - 100                 |                        |  |
| AS 1141.11                 | 75                      |                          | 100                    |  |
|                            | 63                      |                          | 95 - 100               |  |
|                            | 53                      |                          | 40 - 70                |  |
|                            | 37.5                    | 0 - 5                    | 0 - 15                 |  |
|                            | 19                      |                          | 0-2                    |  |
| 451141 23                  | LA Abrasion             | Maximum 4594             |                        |  |
| A51141.25                  | Grading 'A'             | Maximum 45%              |                        |  |

DTEI XXCxxx



Specification: Part 215 Appendix 1

## RAIL BALLAST

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

### PRODUCT QUALITY CONTROL

| TEST<br>PROCEDURE                           | MANUFACTURING TOLERANCE  |  |   |  |  |  |
|---|--|--|---|--|--|--|
|   | QUALITY CONTROL TESTS  |  |   |  |  |  |
|   | Product  | RAIL50 RAIL60 RAIL60S (Steel Sleepers)   |   |  |  |  |
|   | Sieve Size<br>(mm)   |  | Percent Passing   |  |  |  |
| Particle Size<br>Distribution<br>AS 1141.11 | 63<br>53<br>37.5<br>26.5<br>19<br>13.2<br>9.5<br>4.75<br>1.18<br>0.075 | $ \begin{array}{r} 100\\ 70-100\\ -\\ 40-60\\ -\\ 10-30\\ 0-20\\ 0-10\\ 0-1\end{array} $ | 100     85 - 100     20 - 65     0 - 20     0 - 5     0 - 2     -     0 - 1     -     0 - 1     - | 100     95 - 100     35 - 70     15 - 30     5 - 15     0 - 10     0 - 1     -     0 - 1     0 - 1     -     0 - 1     -     0 - 1 |  |  |
| AS 1141.4                                   | Bulk Density   |  | Minimum 1200 kg/m <sup>3</sup>  |  |  |  |
| AS 1141.6.1                                 | Particle<br>Density  | Minimum 2500 kg/m <sup>3</sup>   |   |  |  |  |
| AS 1141.22                                  | Wet/Dry<br>Strength <sup>(1)</sup>                                     | Minimum 150 KN Wet Strength, Maximum 30 % Wet/Dry Strength Variation                     |   |  |  |  |
| AS 1141.23                                  | LA Abrasion<br>Grading B <sup>(1,3)</sup>                              | Max 30%  |   |  |  |  |
| AS 1141.14 <sup>[3]</sup>                   | Mis-shapen<br>Particles % <sup>(2)</sup>                               |  | Max 30 %  |  |  |  |

Sample shall be prepared from an appropriately sized fraction of ballast from delivered lots.
 Calliper Ratio = 2:1, report each of % flat, elongated, and flat and elongated particles

3. Where track will carry in excess of 6,000,000 tonnes per year (gross), then LA Max 25 %

DTEI XXCxxx

Specification: Part 215 Appendix 1

#### CLASS 3 RECYCLED PAVEMENT MATERIAL [GRADING BASED]

#### SOURCE MATERIALS

Source materials may be quarried material, reclaimed concrete or any combination of them. Supplementary source materials may comprise brick, tile and asphalt. Under no circumstance shall asbestos or asbestos fibre be incorporated into the product. No more than 20% by mass of supplementary materials shall be incorporated and the constituent proportions shall remain unchanged during production.

#### PRODUCT QUALITY CONTROL

| TEST<br>PROCEDURE                               | MANUFACTURING TOLERANCE   |  |                               |                               |                               |
|---|---|--|-------------------------------|-------------------------------|-------------------------------|
| QUALITY CONTROL TESTS                           |   |  |                               |                               |                               |
|   | Product   | 20 mm<br>Class 3<br>PM 3/20RG            | 40 mm<br>Class 3<br>PM 3/40RG | 55 mm<br>Class 3<br>PM 3/55RG | 75 mm<br>Class 3<br>PM 3/75RG |
|   | Sieve Size (mm)   |  | Percent                       | Passing                       |                               |
| Particle Size<br>Distribution<br>TP134          | 75<br>53<br>37.5  |  | 100<br>90 - 100               | 100<br>75 - 95                | 100<br>75 – 95                |
|   | 26.5<br>19<br>13.2<br>4.75  | 100<br>90 - 100<br>40 - 65               | 60 - 85<br>25 - 50            | 50 - 75<br>20 - 45            | 50 - 75<br>20 - 40            |
|   | 0.075   | 5-15                                     | 3 - 11                        | 3 - 11                        | 3 - 11                        |
| AS 1289.3.1.2<br>AS 1289.3.3.1<br>AS 1289.3.4.1 | Liquid Limit<br>Plasticity Index<br>Linear Shrinkage  | Maximum 35%<br>Maximum 15%<br>Maximum 8% |                               |                               |                               |
| RTA T276<br>RTA T276<br>TP470                   | Type II Foreign Materials<br>Type III Foreign materials<br>excluding bitumen<br>Bitumen Content | Maximum 1%<br>Maximum 0.5%<br>Maximum 1% |                               |                               |                               |
|   |   |  |                               |                               |                               |
| AS 1141.23                                      | LA Abrasion<br>Grading 'A'  | N/A Maximum 45%                          |                               |                               |                               |
| AS 1141.23                                      | LA Abrasion<br>Grading 'B'  | Max 45%                                  |                               | N/A                           |                               |

DTEI XXCxxx



Specification: Part 215 Appendix 1

### CLASS 3 QUARRIED PAVEMENT MATERIAL [GRADING BASED]

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

### PRODUCT QUALITY CONTROL

| TEST<br>PROCEDURE     | MANUFACTURING TOLERANCE    |                               |                               |                               |                               |  |
|-----------------------|----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|
| QUALITY CONTROL TESTS |                            |                               |                               |                               |                               |  |
|                       | Product                    | 20 mm<br>Class 3<br>PM 3/20QG | 40 mm<br>Class 3<br>PM 3/40QG | 55 mm<br>Class 3<br>PM 3/55QG | 75 mm<br>Class 3<br>PM 3/75QG |  |
|                       | Sieve Size (mm)            | Percent Passing               |                               |                               |                               |  |
| Particle Size         | 75                         |                               |                               |                               | 100                           |  |
| Distribution          | 53                         |                               | 100                           | 100                           | 75 – 95                       |  |
| TP134                 | 37.5                       |                               | 90 - 100                      | 75 <b>– 9</b> 5               |                               |  |
|                       | 26.5                       | 100                           |                               |                               | 50 – 75                       |  |
|                       | 19                         | 90 - 100                      | 60 - 85                       | 50 - 75                       |                               |  |
|                       | 13.2                       |                               |                               |                               |                               |  |
|                       | 4.75                       | 40 - 65                       | 25 - 50                       | 20 - 45                       | 20 - 40                       |  |
|                       | 0.075                      | 5 - 15                        | 3 - 11                        | 3 - 11                        | 3 - 11                        |  |
| AS 1289.3.1.2         | Liquid Limit               |                               | Maximu                        | m 35%                         |                               |  |
| AS 1289.3.3.1         | Plasticity Index           | Maximum 15%                   |                               |                               |                               |  |
| AS 1289.3.4.1         | Linear Shrinkage           | Maximum 8%                    |                               |                               |                               |  |
| AS 1141.23            | LA Abrasion<br>Grading 'A' | N/A Maximum 45%               |                               |                               |                               |  |
| AS 1141.23            | LA Abrasion<br>Grading 'B' | Max 45%                       |                               | N/A                           |                               |  |

DTEI XXCxxx

Specification: Part 215 Appendix 1

#### CLASS 2 RECYCLED PAVEMENT MATERIAL [GRADING BASED]

#### SOURCE MATERIALS

Source materials may be quarried material, reclaimed concrete or any combination of them. Supplementary source materials may comprise brick, tile and asphalt. Under no circumstance shall asbestos or asbestos fibre be incorporated into the product. No more than 20% by mass of supplementary materials shall be incorporated and the constituent proportions shall remain unchanged during production.

#### PRODUCT QUALITY CONTROL

| TEST<br>PROCEDURE | MANUFACTURING TOLERANCE [Grading Based]         |                            |                            |                            |  |
|-------------------|---|----------------------------|----------------------------|----------------------------|--|
|                   | QUALITY   | CONTROL TESTS              |                            |                            |  |
|                   | Product   | 20 mm Class 2<br>PM 2/20RG | 30 mm Class 2<br>PM 2/30RG | 40 mm Class 2<br>PM 2/40RG |  |
|                   | Sieve Size (mm)                                 | Percent Passing            |                            |                            |  |
|                   | 53  |                            |                            | 100                        |  |
| Destisle Gime     | 37.5  |                            | 100                        | 90 - 100                   |  |
| Particle Size     | 26.5  | 100                        | 90 - 100                   | 74 – 96                    |  |
| Distribution      | 19  | 90 - 100                   | 77 – 95                    | 62 - 86                    |  |
| TP134             | 13.2  | 74 – 96                    |                            |                            |  |
|                   | 9.5   | 61 - 85                    | 51 - 75                    | 42 - 66                    |  |
|                   | 4.75  | 42 - 66                    | 35 - 57                    | 28 - 50                    |  |
|                   | 2.36  | 28 - 50                    | 24 - 44                    | 20 - 39                    |  |
|                   | 0.425   | 11 – 27                    | 9-22                       | 8-21                       |  |
|                   | 0.075   | 4 - 14                     | 4-12                       | 3 - 11                     |  |
| AS 1289.3.1.2     | Liquid Limit                                    |                            | Maximum 28%                |                            |  |
| AS 1289.3.3.1     | Plasticity Index                                | Mini                       | imum 1% - Maximum          | 1 8%                       |  |
| AS 1289.3.4.1     | Linear Shrinkage                                |                            | Maximum 4%                 |                            |  |
| AS 1141.23        | LA Abrasion Grading 'A'                         | N.A.                       | N.A.                       | Maximum 45%                |  |
| AS 1141.23        | LA Abrasion Grading 'B'                         | Maximum 45%                | Maximum 45%                | N.A.                       |  |
| RTA T276          | Type II Foreign Materials                       |                            | Maximum 1%                 |                            |  |
| RTA T276          | Type III Foreign Materials<br>excluding bitumen | Maximum 0.5%               |                            |                            |  |
| TP470             | Bitumen Content                                 |                            | Maximum 1%                 |                            |  |

DTEI XXCxxx



Specification: Part 215 Appendix 1

#### CLASS 2 RECYCLED PAVEMENT MATERIAL [PERFORMANCE BASED]

#### SOURCE MATERIALS

Source materials may be quarried material, reclaimed concrete or any combination of them. Supplementary source materials may comprise brick, tile and asphalt. Under no circumstance shall asbestos or asbestos fibre be incorporated into the product. No more than 20% by mass of supplementary materials shall be incorporated and the constituent proportions shall remain unchanged during production.

#### NOMINATED MIX DESIGN PARAMETERS

| TEST PROCEDURE        | MIX DESIGN LIMITS                               |                            |                            |  |  |
|-----------------------|---|----------------------------|----------------------------|--|--|
|                       | QUALITY CONTROL TESTS                           |                            |                            |  |  |
| Particle Size         | PRODUCT   | 20 mm Class 2<br>PM 2/20RM | 30 mm Class 2<br>PM 2/30RM |  |  |
| Distribution<br>TP134 | Sieve Size (mm)                                 | Percer                     | nt Passing                 |  |  |
|                       | 37.5  |                            | 100                        |  |  |
|                       | 26.5  | 100                        | 90 - 100                   |  |  |
|                       | 19  | 90 - 100                   | 80 - 95                    |  |  |
|                       | 2.36  | 30 - 60                    | 25 - 55                    |  |  |
|                       | 0.075   | 5 – 20                     | 5 – 20                     |  |  |
| AS 1289.3.1.2         | Liquid Limit                                    | Maximum 30%                |                            |  |  |
| AS 1289.3.3.1         | Plasticity Index                                | Minimum 1% - Maximum 10%   |                            |  |  |
| AS 1289.3.4.1         | Linear Shrinkage                                | Maxi                       | mum 5%                     |  |  |
| TP183                 | Resilient Modulus                               | Minimu                     | m 250 MPa                  |  |  |
| TP183                 | Deformation                                     | Maxii                      | mum 10 <sup>-7</sup>       |  |  |
| AS 1141.23            | LA Abrasion Grading 'B'                         | Contractor N               | Iominated Value            |  |  |
| TP184                 | Triaxial Compression                            | Cohesion Max 250 kP        | a, Friction Angle Min 40°  |  |  |
|                       |   |                            |                            |  |  |
| RTA T276              | Type II Foreign Materials                       | Maxi                       | mum 1%                     |  |  |
| RTA T276              | Type III Foreign Materials<br>excluding bitumen | Maximum 0.5%               |                            |  |  |
| TP470                 | Bitumen Content                                 | Maxi                       | mum 1%                     |  |  |

#### PRODUCT QUALITY CONTROL

| TEST PROCEDURE                      | MANUFACTURING TOLERANCE    |                          |  |
|-------------------------------------|----------------------------|--------------------------|--|
|                                     | Sieve Size (mm)            | Percent Passing          |  |
| Particle Size Distribution<br>TP134 | 37.5                       | 0                        |  |
|                                     | 26.5                       | 0 (PM2/20), ± 6 (PM2/30) |  |
|                                     | 19                         | ± 6                      |  |
|                                     | 9.5                        | ± 9                      |  |
|                                     | 2.36                       | ± 8                      |  |
|                                     | 0.075                      | ± 3                      |  |
| AS 1289.3.1.2                       | Liquid Limit               | +3                       |  |
| AS 1289.3.3.1                       | Plasticity Index           | +2                       |  |
| AS 1289.3.4.1                       | Linear Shrinkage           | +1                       |  |
| AS 1141.23                          | LA Abrasion Grading 'B' +3 |                          |  |

DTEI XXCxxx



Specification: Part 215 Appendix 1

### CLASS 2 QUARRIED PAVEMENT MATERIAL [GRADING BASED]

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

### PRODUCT QUALITY CONTROL

| TEST PROCEDURE             | MANUFACTURING TOLERANCE [Grading Based] |                            |                            |                            |  |
|----------------------------|---|----------------------------|----------------------------|----------------------------|--|
|                            | QUALITY                                 | CONTROL TESTS              |                            |                            |  |
|                            | Product                                 | 20 mm Class 2<br>PM 2/20QG | 30 mm Class 2<br>PM 2/30QG | 40 mm Class 2<br>PM 2/40QG |  |
|                            | Sieve Size (mm)                         |                            | Percent Passing            |                            |  |
|                            | 53                                      |                            |                            | 100                        |  |
|                            | 37.5                                    |                            | 100                        | 90 - 100                   |  |
| Particle Size Distribution | 26.5                                    | 100                        | 90 - 100                   | 74 – 96                    |  |
| TP134                      | 19                                      | 90 - 100                   | 77 – 95                    | 62 - 86                    |  |
|                            | 13.2                                    | 74 – 96                    |                            |                            |  |
|                            | 9.5                                     | 61 - 85                    | 51 - 75                    | 42 - 66                    |  |
|                            | 4.75                                    | 42 - 66                    | 35 - 57                    | 28 - 50                    |  |
|                            | 2.36                                    | 28 - 50                    | 24 - 44                    | 20 - 39                    |  |
|                            | 0.425                                   | 11 – 27                    | 9 - 22                     | 8-21                       |  |
|                            | 0.075                                   | 4 - 14                     | 4 - 12                     | 3 - 11                     |  |
| AS 1289.3.1.2              | Liquid Limit                            |                            | Maximum 28%                |                            |  |
| AS 1289.3.3.1              | Plasticity Index                        | Min                        | imum 1% - Maximum          | n 8%                       |  |
| AS 1289.3.4.1              | Linear Shrinkage                        | Maximum 4%                 |                            |                            |  |
| AS 1141.23                 | LA Abrasion<br>Grading 'A'              | N. <b>A</b> .              | N. <b>A</b> .              | Maximum 45%                |  |
| AS 1141.23                 | LA Abrasion<br>Grading 'B'              | Maximum 45%                | Maximum 45%                | N.A.                       |  |

DTEI XXCxxx



Specification: Part 215 Appendix 1

### CLASS 2 QUARRIED PAVEMENT MATERIAL [PERFORMANCE BASED]

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

## NOMINATED MIX DESIGN PARAMETERS

| TEST PROCEDURE             | MIX DESIGN LIMITS       |                                   |                            |  |  |
|----------------------------|-------------------------|-----------------------------------|----------------------------|--|--|
| QUALITY CONTROL TESTS      |                         |                                   |                            |  |  |
|                            | PRODUCT                 | 20 mm Class 2<br>PM 2/20QM        | 30 mm Class 2<br>PM 2/30QM |  |  |
|                            | Sieve Size (mm)         | Percent Passing                   |                            |  |  |
| Particle Size Distribution | 37.5                    |                                   | 100                        |  |  |
| TP134                      | 26.5                    | 100                               | 90 - 100                   |  |  |
|                            | 19                      | 90 - 100                          | 80 - 95                    |  |  |
|                            | 9.5                     |                                   |                            |  |  |
|                            | 2.36                    | 30 - 60                           | 25 - 55                    |  |  |
|                            | 0.075                   | 5 – 20                            | 5 – 20                     |  |  |
| AS 1289.3.1.2              | Liquid Limit            | Maxim                             | num 30%                    |  |  |
| AS 1289.3.3.1              | Plasticity Index        | Minimum 1%                        | - Maximum 10%              |  |  |
| AS 1289.3.4.1              | Linear Shrinkage        | Maxin                             | num 5%                     |  |  |
| TP183                      | Resilient Modulus       | Resilient Modulus Minimum 250 MPa |                            |  |  |
| TP183                      | Deformation             | Maxin                             | num 10 <sup>-7</sup>       |  |  |
| TP184                      | Triaxial Compression    | Cohesion Max 250 kPa              | a, Friction Angle Min 40°  |  |  |
| AS 1141.23                 | LA Abrasion Grading 'B' | Contractor N                      | ominated Value             |  |  |

#### PRODUCT QUALITY CONTROL

| TEST PROCEDURE                      | MANUFACTURING TOLERANCE    |                          |  |  |
|-------------------------------------|----------------------------|--------------------------|--|--|
|                                     | Sieve Size (mm)            | Percent Passing          |  |  |
| Particle Size Distribution<br>TP134 | 37.5                       | 0                        |  |  |
|                                     | 26.5                       | 0 (PM2/20), ± 6 (PM2/30) |  |  |
|                                     | 19                         | ± 6                      |  |  |
|                                     | 9.5                        | ± 8                      |  |  |
|                                     | 2.36                       | ± 6                      |  |  |
|                                     | 0.075                      | ± 2                      |  |  |
| AS 1289.3.1.2                       | Liquid Limit               | +3                       |  |  |
| AS 1289.3.3.1                       | Plasticity Index           | +2                       |  |  |
| AS 1289.3.4.1                       | Linear Shrinkage           | +1                       |  |  |
| AS 1141.23                          | LA Abrasion Grading 'B' +3 |                          |  |  |

DTEI XXCxxx



Specification: Part 215 Appendix 1

#### CLASS 1 RECYCLED PAVEMENT MATERIAL [GRADING BASED]

#### SOURCE MATERIALS

Source materials may be quarried material, reclaimed concrete or any combination of them. Supplementary source materials may comprise brick, tile and asphalt. Under no circumstance shall asbestos or asbestos fibre be incorporated into the product. No more than 20% by mass of supplementary materials shall be incorporated and the constituent proportions shall remain unchanged during production.

#### PRODUCT QUALITY CONTROL

| TEST<br>PROCEDURE | MANUFACTURING TOLERANCE [Grading Based]         |                            |                            |                            |  |
|-------------------|---|----------------------------|----------------------------|----------------------------|--|
|                   | QUALITY   | CONTROL TESTS              |                            |                            |  |
|                   | Product   | 20 mm Class 1<br>PM 1/20RG | 30 mm Class 1<br>PM 1/30RG | 40 mm Class 1<br>PM 1/40RG |  |
|                   | Sieve Size (mm)                                 | Percent Passing            |                            |                            |  |
|                   | 53  |                            |                            | 100                        |  |
|                   | 37.5  |                            | 100                        | 95 - 100                   |  |
| Particle Size     | 26.5  | 100                        | 95 - 100                   | 79 – 91                    |  |
| Distribution      | 19  | 95 - 100                   | 79 – 93                    | 65 - 83                    |  |
| TP134             | 13.2  | 77 – 93                    |                            |                            |  |
|                   | 9.5   | 63 - 83                    | 53 - 73                    | 44 - 64                    |  |
|                   | 4.75  | 44 - 64                    | 36 - 56                    | 29 - 49                    |  |
|                   | 2.36  | 29 – 49                    | 25 - 43                    | 20 - 38                    |  |
|                   | 0.425   | 13 – 23                    | 10 - 21                    | 8-18                       |  |
|                   | 0.075   | 5 - 11                     | 4 - 10                     | 3 – 9                      |  |
| AS 1289.3.1.2     | Liquid Limit                                    |                            | Maximum 25%                |                            |  |
| AS 1289.3.3.1     | Plasticity Index                                | Min                        | nimum 1% Maximum           | 6%                         |  |
| AS 1289.3.4.1     | Linear Shrinkage                                |                            | Maximum 3%                 |                            |  |
| AS 1141.23        | LA Abrasion Grading 'A'                         | N.A.                       | N.A.                       | Maximum 30%                |  |
| AS 1141.23        | LA Abrasion Grading 'B'                         | Maximum 30%                | Maximum 30%                | N.A.                       |  |
|                   |   |                            |                            |                            |  |
| RTA T276          | Type II Foreign Materials                       |                            | Maximum 1%                 |                            |  |
| RTA T276          | Type III Foreign Materials<br>excluding bitumen | Maximum 0.5%               |                            |                            |  |
| TP470             | Bitumen Content                                 |                            | Maximum 1%                 |                            |  |

NOTE: The recycled pavement material shall have a uniform grading and shall not be graded from the coarse limit of the grading envelope to the fine limit of the grading envelope, or vice versa.

DTEI XXCxxx

Specification: Part 215 Appendix 1

#### CLASS 1 RECYCLED PAVEMENT MATERIAL [PERFORMANCE BASED]

#### SOURCE MATERIALS

Source materials may be quarried material, reclaimed concrete or any combination of them. Supplementary source materials may comprise brick, tile and asphalt. Under no circumstance shall asbestos or asbestos fibre be incorporated into the product. No more than 20% by mass of supplementary materials shall be incorporated and the constituent proportions shall remain unchanged during production.

#### NOMINATED MIX DESIGN PARAMETERS

| TEST PROCEDURE             | MIX DESIGN LIMITS                               |  |                            |  |  |
|----------------------------|---|--|----------------------------|--|--|
|                            | QUALITY CO                                      | NTROL TESTS  |                            |  |  |
|                            | PRODUCT   | 20 mm Class 1<br>PM 1/20RM                                   | 30 mm Class 1<br>PM 1/30RM |  |  |
|                            | Sieve Size (mm)                                 | Percent Passing  |                            |  |  |
| Particle Size Distribution | 37.5  |  | 100                        |  |  |
| TP134                      | 26.5  | 100  |                            |  |  |
|                            | 19  | 95 - 100   | 80 - 95                    |  |  |
|                            | 9.5   | 65 - 85  | 50 - 75                    |  |  |
|                            | 2.36  | 30 - 50  | 25 - 45                    |  |  |
|                            | 0.075   | 5 - 15   | 5 - 15                     |  |  |
| AS 1289.3.1.2              | Liquid Limit Maximum 25%                        |  |                            |  |  |
| AS 1289.3.3.1              | Plasticity Index                                | Minimum 19   | % - Maximum 6%             |  |  |
| AS 1289.3.4.1              | Linear Shrinkage                                | Max  | imum 3%                    |  |  |
| TP183                      | Resilient Modulus                               | Minimu   | um 300 MPa                 |  |  |
| TP183                      | Deformation                                     | Max  | imum 10 <sup>-8</sup>      |  |  |
| AS 1141.23                 | LA Abrasion Grading 'B'                         | Contractor 1   | Nominated Value            |  |  |
| TP184                      | Triaxial Compression                            | Cohesion Max 150 kl  | Pa, Friction Angle Min 45° |  |  |
|                            |   |  |                            |  |  |
| RTA T276                   | Type II Foreign Materials                       | Max  | imum 1%                    |  |  |
| RTA T276                   | Type III Foreign Materials<br>excluding bitumen | Type III Foreign Materials<br>excluding bitumen Maximum 0.5% |                            |  |  |
| TP470                      | Bitumen Content                                 | Max  | imum 1%                    |  |  |

#### PRODUCT QUALITY CONTROL

| TEST PROCEDURE                      | MANUFACTURING TOLERANCE    |                          |  |
|-------------------------------------|----------------------------|--------------------------|--|
|                                     | Sieve Size (mm)            | Percent Passing          |  |
|                                     | 37.5                       | 0                        |  |
| Particle Size Distribution<br>TP134 | 26.5                       | 0 (PM1/20), ± 6 (PM1/30) |  |
|                                     | 19                         | ± 6                      |  |
|                                     | 9.5                        | ± 9                      |  |
|                                     | 2.36                       | ± 8                      |  |
|                                     | 0.075                      | ± 3                      |  |
| AS 1289.3.1.2                       | Liquid Limit               | +3                       |  |
| AS 1289.3.3.1                       | Plasticity Index +2        |                          |  |
| AS 1289.3.4.1                       | Linear Shrinkage           | +1                       |  |
| AS 1141.23                          | LA Abrasion Grading 'B' +3 |                          |  |

DTEI XXCxxx

Specification: Part 215 Appendix 1

### CLASS 1 QUARRIED PAVEMENT MATERIAL [GRADING BASED]

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

#### PRODUCT QUALITY CONTROL

| TEST PROCEDURE | MANUFACTURING TOLERANCE [Grading based]              |                            |                            |                            |  |
|----------------|--|----------------------------|----------------------------|----------------------------|--|
|                | QUALITY  | CONTROL TESTS              |                            |                            |  |
|                | Product  | 20 mm Class 1<br>PM 1/20QG | 30 mm Class 1<br>PM 1/30QG | 40 mm Class 1<br>PM 1/40QG |  |
|                | Sieve Size (mm)                                      |                            | Percent Passing            |                            |  |
|                | 53   |                            |                            | 100                        |  |
|                | 37.5   |                            | 100                        | 95 - 100                   |  |
| Particle Size  | 26.5   | 100                        | 95 - 100                   | 79 – 91                    |  |
| Distribution   | 19   | 95 - 100                   | 79 – 93                    | 65 - 83                    |  |
| TP134          | 13.2   | 77 – 93                    |                            |                            |  |
|                | 9.5  | 63 - 83                    | 53 - 73                    | 44 - 64                    |  |
|                | 4.75   | 44 - 64                    | 36 - 56                    | 29 – 49                    |  |
|                | 2.36   | 29 – 49                    | 25 - 43                    | 20 - 38                    |  |
|                | 0.425  | 13 – 23                    | 10 - 21                    | 8-18                       |  |
|                | 0.075  | 5 - 11                     | 4 - 10                     | 3 – 9                      |  |
| AS 1289.3.1.2  | Liquid Limit   |                            | Maximum 25%                |                            |  |
| AS 1289.3.3.1  | Plasticity Index                                     | Mir                        | nimum 1% Maximum           | n 6%                       |  |
| AS 1289.3.4.1  | Linear Shrinkage                                     |                            | Maximum 3%                 |                            |  |
| AS 1141.23     | LA Abrasion Grading 'A'                              | N.A.                       | N.A.                       | Maximum 30%                |  |
| AS 1141.23     | LA Abrasion Grading 'B' Maximum 30% Maximum 30% N.A. |                            |                            |                            |  |

NOTE: The quarried pavement material shall have a uniform grading and shall not be graded from the coarse limit of the grading envelope to the fine limit of the grading envelope, or vice versa.

DTEI XXCxxx

Specification: Part 215 Appendix 1

### CLASS 1 QUARRIED PAVEMENT MATERIAL [PERFORMANCE BASED]

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

## NOMINATED MIX DESIGN PARAMETERS

| TEST PROCEDURE | MIX DESIGN LIMITS                 |                             |                            |  |  |  |
|----------------|-----------------------------------|-----------------------------|----------------------------|--|--|--|
|                | QUALITY CO                        | ONTROL TESTS                |                            |  |  |  |
|                | PRODUCT                           | 20 mm Class 1<br>PM 1/20QM  | 30 mm Class 1<br>PM 1/30QM |  |  |  |
|                | Sieve Size (mm)                   | Percer                      | nt Passing                 |  |  |  |
| Particle Size  | 37.5                              |                             | 100                        |  |  |  |
| Distribution   | 26.5                              | 100                         |                            |  |  |  |
| TP134          | 19                                | 95 - 100                    | 80 - 95                    |  |  |  |
|                | 9.5                               | 65 - 85                     | 50 - 75                    |  |  |  |
|                | 2.36                              | 30 - 50                     | 25-45                      |  |  |  |
|                | 0.075                             | 5-15                        | 5 - 15                     |  |  |  |
| AS 1289.3.1.2  | Liquid Limit                      | Maxin                       | num 25%                    |  |  |  |
| AS 1289.3.3.1  | Plasticity Index                  | Minimum 1%                  | 6 - Maximum 6%             |  |  |  |
| AS 1289.3.4.1  | Linear Shrinkage                  | Linear Shrinkage Maximum 3% |                            |  |  |  |
| TP183          | Resilient Modulus Minimum 300 MPa |                             |                            |  |  |  |
| TP183          | Deformation                       | Maxi                        | mum 10 <sup>-8</sup>       |  |  |  |
| AS 1141.23     | LA Abrasion Grading 'B'           | Contractor N                | Jominated Value            |  |  |  |
| TP184          | Triaxial Compression              | Cohesion Max 150 kF         | a, Friction Angle Min 45°  |  |  |  |

#### PRODUCT QUALITY CONTROL

| TEST PROCEDURE             | MANUFACTURING TOLERANCE |                          |  |  |
|----------------------------|-------------------------|--------------------------|--|--|
|                            | Sieve Size (mm)         | Percent Passing          |  |  |
|                            | 37.5                    | 0                        |  |  |
| Particle Size Distribution | 26.5                    | 0 (PM1/20), ± 6 (PM1/30) |  |  |
| TP134                      | 19                      | ± 6                      |  |  |
|                            | 9.5                     | ± 8                      |  |  |
|                            | 2.36                    | ± 6                      |  |  |
|                            | 0.075                   | ± 2                      |  |  |
| AS 1289.3.1.2              | Liquid Limit            | +3                       |  |  |
| AS 1289.3.3.1              | Plasticity Index        | +2                       |  |  |
| AS 1289.3.4.1              | Linear Shrinkage +1     |                          |  |  |
| AS 1141.23                 | LA Abrasion Grading 'B' | +3                       |  |  |

DTEI XXCxxx



Specification: Part 215 Appendix 1

#### CLASS 1 HEAVY DUTY QUARRIED PAVEMENT MATERIAL [GRADING BASED]

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

## PRODUCT QUALITY CONTROL

| TEST<br>PROCEDURE                      | MANUFACTURING TOLERANCE [Grading based] |             |                      |         |  |
|--|---|-------------|----------------------|---------|--|
|  | QUALITY                                 | CONTROL TES | STS                  |         |  |
|  | Product 20 mm Class 1A<br>PM 1A/20QG    |             |                      |         |  |
|  | Percent Passi                           | ng          | Percent Retain       | ned     |  |
|  | Sieve Size (mm)                         | %           | Size Range (mm)      | %       |  |
| Particle Size<br>Distribution<br>TP134 | 37.5                                    |             |                      |         |  |
|  | 26.5                                    | 100         | 26.5 - 19.0          | 0 - 5   |  |
|  | 19.0                                    | 95 - 100    | 19.0 - 13.2          | 7 - 18  |  |
| 11 154                                 | 13.2                                    | 78 - 92     | 13.2 - 9.5           | 10 - 16 |  |
|  | 9.5                                     | 63 - 83     | 9.5 - 4.75           | 14 - 24 |  |
|  | 4.75                                    | 44 - 64     | 4.75 - 2.36          | 10 - 20 |  |
|  | 2.36                                    | 30 - 48     | 2.36-0.425           | 14 - 28 |  |
|  | 0.425                                   | 14 - 22     | 0.425 - 0.075        | 6 - 13  |  |
|  | 0.075                                   | 7 - 11      |                      |         |  |
| AS 1289.3.1.2                          | Liquid Limit                            | Maximum 25% |                      |         |  |
| AS 1289.3.3.1                          | Plasticity Index                        | M           | inimum 2% Maximum 6% | b       |  |
| AS 1289.3.4.1                          | Linear Shrinkage                        | Maximum 3%  |                      |         |  |
| AS 1141.23                             | LA Abrasion Grading 'B'                 | Maximum 25% |                      |         |  |

#### OR

| TEST<br>PROCEDURE | MANUFACTURING TOLERANCE [Grading based] |                           |                              |         |  |
|-------------------|---|---------------------------|------------------------------|---------|--|
|                   | QUALITY                                 | CONTROL TES               | STS                          |         |  |
|                   | Product                                 |                           | 20 mm Class 1B<br>PM 1B/20QG |         |  |
|                   | Percent Passi                           | ng                        | Percent Retain               | ned     |  |
|                   | Sieve Size (mm)                         | %                         | Size Range (mm)              | %       |  |
| Particle Size     | 37.5                                    |                           |                              |         |  |
| Distribution      | 26.5                                    | 100                       | 26.5 - 19.0                  | 0 - 5   |  |
| TD134             | 19.0                                    | 95-100                    | 19.0 - 13.2                  | 7 - 18  |  |
|                   | 13.2                                    | 78 - 92                   | 13.2 - 9.5                   | 10 - 16 |  |
|                   | 9.5                                     | 63 - 83                   | 9.5 - 4.75                   | 14 - 24 |  |
|                   | 4.75                                    | 44 - 64                   | 4.75 - 2.36                  | 10 - 20 |  |
|                   | 2.36                                    | 29 - 48                   | 2.36 - 0.425                 | 15 - 29 |  |
|                   | 0.425                                   | 13 - 21                   | 0.425 - 0.075                | 7 - 14  |  |
|                   | 0.075                                   | 5 – 9                     |                              |         |  |
| AS 1289.3.1.2     | Liquid Limit                            | Maximum 25%               |                              |         |  |
| AS 1289.3.3.1     | Plasticity Index                        | Minimum 2% Maximum 6%     |                              |         |  |
| AS 1289.3.4.1     | Linear Shrinkage                        | Maximum 3%                |                              |         |  |
| AS 1141.23        | LA Abrasion Grading 'B'                 | Minimum 25% - Maximum 30% |                              |         |  |

DTEI XXCxxx



Specification: Part 215 Appendix 1

#### STABILISED PAVEMENT MATERIAL [BINDER CONTROL]

#### SOURCE MATERIALS

Source materials shall be natural quarried material OR, where approved, recycled materials.

## RAW FEED PRODUCT QUALITY CONTROL

| TEST PROCEDURE             | MANUFACTURING TOLERANCE [Grading Based]              |  |                 |                           |  |  |
|----------------------------|--|--|-----------------|---------------------------|--|--|
|                            | QUALITY CONTROL TESTS                                |  |                 |                           |  |  |
|                            | Product  | 20 mm Class 2 30 mm Class<br>PM 2/20* PM 2/30* |                 | 40 mm Class 2<br>PM 2/40* |  |  |
|                            | Sieve Size (mm)                                      |  | Percent Passing |                           |  |  |
|                            | 53   |  |                 | 100                       |  |  |
|                            | 37.5   |  | 100             | 90 - 100                  |  |  |
| Particle Size Distribution | 26.5   | 100  | 90 - 100        | 74 - 96                   |  |  |
| TP134                      | 19   | 90 - 100                                       | 77 – 95         | 62 - 86                   |  |  |
|                            | 13.2   | 74 – 96  |                 |                           |  |  |
|                            | 9.5  | 61 - 85  | 51 - 75         | 42 - 66                   |  |  |
|                            | 4.75   | 42 - 66  | 35 - 57         | 28 - 50                   |  |  |
|                            | 2.36   | 28 - 50  | 24 - 44         | 20 - 39                   |  |  |
|                            | 0.425  | 11 - 27  | 9 - 22          | 8-21                      |  |  |
|                            | 0.075  | 4 - 14   | 4-12            | 3 - 11                    |  |  |
| AS 1289.3.1.2              | Liquid Limit   | Maximum 28%                                    |                 |                           |  |  |
| AS 1289.3.3.1              | Plasticity Index                                     | Minimum 1% - Maximum 8%                        |                 |                           |  |  |
| AS 1289.3.4.1              | Linear Shrinkage                                     |  | Maximum 4%      |                           |  |  |
| AS 1141.23                 | LA Abrasion Grading 'A'                              | N.A.   | N.A.            | Maximum 45%               |  |  |
| AS 1141.23                 | LA Abrasion Grading 'B' Maximum 45% Maximum 45% N.A. |  |                 |                           |  |  |

#### STABILISED PRODUCT QUALITY CONTROL

| Test                       | Product Refer 215.9 for nomenclature                          |   |  |
|----------------------------|---|---|--|
| Contractor<br>Quality Plan | Target Binder Content (% dry mass)                            | Within the tolerance specified in clause 215.9.5 of the binder content specified in the material description in accordance with clause 215.9.1. |  |
| AS 1141.51                 | Unconfined Compressive Strength<br>(96% MDD - 7 days curing)  | Reported Value  |  |
| AS 1141.51                 | Unconfined Compressive Strength<br>(96% MDD - 28 days curing) | Strength shall not be less than the value specified in the material description in accordance with clause 215.9.1.                              |  |

\*Raw feed material shall be: PM2/20QG, PM2/30QG, PM2/40QG, OR, with prior approval, PM2/20RG, PM2/30RG or PM2/40RG.

The Principal may specify Class 1 Quarried, Recycled or Performance Based materials as an alternative to Class 2 Pavement Material (Grading Based). When Class 1 materials are specified, Product Quality Control criteria for the appropriate Class 1 Pavement Material shall apply.

Specification: Part 215 Appendix 1

#### STABILISED PAVEMENT MATERIAL [STRENGTH CONTROL]

#### SOURCE MATERIALS

Source materials shall be natural quarried material OR, where approved, recycled materials.

## RAW FEED PRODUCT QUALITY CONTROL

| TEST PROCEDURE             | MANUFACTURING TOLERANCE [Grading Based]              |                           |                           |                           |  |  |
|----------------------------|--|---------------------------|---------------------------|---------------------------|--|--|
|                            | QUALITY CO   | ONTROL TESTS              |                           |                           |  |  |
|                            | Product  | 20 mm Class 2<br>PM 2/20* | 30 mm Class 2<br>PM 2/30* | 40 mm Class 2<br>PM 2/40* |  |  |
|                            | Sieve Size (mm)                                      |                           | Percent Passing           |                           |  |  |
|                            | 53   |                           |                           | 100                       |  |  |
|                            | 37.5   |                           | 100                       | 90 - 100                  |  |  |
| Particle Size Distribution | 26.5   | 100                       | 90 - 100                  | 74 - 96                   |  |  |
| TP134                      | 19   | 90 - 100                  | 77 – 95                   | 62 - 86                   |  |  |
|                            | 13.2   | 74 – 96                   |                           |                           |  |  |
|                            | 9.5  | 61 - 85                   | 51 – 75                   | 42 - 66                   |  |  |
|                            | 4.75   | 42 - 66                   | 35 - 57                   | 28 - 50                   |  |  |
|                            | 2.36   | 28 - 50                   | 24 - 44                   | 20 - 39                   |  |  |
|                            | 0.425  | 11 - 27                   | 9 - 22                    | 8-21                      |  |  |
|                            | 0.075  | 4 - 14                    | 4-12                      | 3 - 11                    |  |  |
| AS 1289.3.1.2              | Liquid Limit   | Maximum 28%               |                           |                           |  |  |
| AS 1289.3.3.1              | Plasticity Index                                     | Min                       | imum 1% - Maximun         | n 8%                      |  |  |
| AS 1289.3.4.1              | Linear Shrinkage                                     |                           | Maximum 4%                |                           |  |  |
| AS 1141.23                 | LA Abrasion Grading 'A'                              | N.A.                      | N.A.                      | Maximum 45%               |  |  |
| AS 1141.23                 | LA Abrasion Grading 'B' Maximum 45% Maximum 45% N.A. |                           |                           |                           |  |  |

#### STABILISED PRODUCT QUALITY CONTROL

| Test                       | Product   | Refer 215.9 for nomenclature  |
|----------------------------|---|---|
| Contractor Quality<br>Plan | Target Binder Content (% dry mass)                            | Within the tolerance specified in clause 215.9.5 of the binder content specified in the material description in accordance with clause 215.9.1. |
| AS 1141.51                 | Unconfined Compressive Strength<br>(96% MDD - 7 days curing)  | Reported Value  |
| AS 1141.51                 | Unconfined Compressive Strength<br>(96% MDD - 28 days curing) | Strength shall not be less than the value specified in<br>the material description in accordance with clause<br>215.9.1.                        |

\*Raw feed material shall be: PM2/20QG, PM2/30QG, PM2/40QG, OR, with prior approval, PM2/20RG, PM2/30RG or PM2/40RG.

The Principal may specify Class 1 Quarried, Recycled or Performance Based materials as an alternative to Class 2 Pavement Material (Grading Based). ). When Class 1 materials are specified, Product Quality Control criteria for the appropriate Class 1 Pavement Material shall apply.



Specification: Part 215 Appendix 1

## SEALING AGGREGATE

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included.

#### PRODUCT QUALITY CONTROL

| TEST<br>PROCEDURE               | MANUFACTURING TOLERANCE   |                                    |            |           |                |                   |                               |
|---------------------------------|---------------------------|------------------------------------|------------|-----------|----------------|-------------------|-------------------------------|
|                                 |                           | QUA                                | ALITY CONT | ROL TESTS |                |                   |                               |
|                                 | Product                   | SA 20-14                           | SA 16-10   | SA 14-10  | SA 10-7        | SA 7-5            | SA 5-2                        |
|                                 | Sieve Size<br>(mm)        |                                    |            | Percent   | Passing        |                   |                               |
|                                 | 26.5                      | 100                                |            |           |                |                   |                               |
| Dential a Sime                  | 19                        | 95 - 100                           | 100        |           |                |                   |                               |
| Distribution                    | 16                        | 35-65                              | 95 - 100   | 100       |                |                   |                               |
| AS 1141.11                      | 13.2                      | 0 - 10                             | 40 - 70    | 90-100    | 100            |                   |                               |
|                                 | 9.5                       | 0-2                                | 0 - 10     | 0-15      | 85 - 100       | 100               |                               |
|                                 | 6.7                       |                                    | 0-2        | 0-2       | 0-15           | 80 - 100          | 100                           |
|                                 | 4.75                      |                                    |            |           | 0-3            | 0 - 20            | 80 - 100                      |
|                                 | 2.36                      |                                    |            |           |                | 0 - 5             | 0-10                          |
|                                 | 1.18                      | 0 - 1                              | 0-1        | 0-1       | 0-1            | 0 - 1             | 0-1                           |
| AS 1141.15                      | Flakiness<br>Index        |                                    | Maximu     | m 25%     |                | Reported<br>Value | N/A                           |
| TP244                           | % Flat<br>Particles       |                                    | N/A        |           |                | Maximum<br>35%    | N/A                           |
| AS 1141.14 <sup>[3]</sup>       | Mis-shapen<br>Particles % | Reported Value                     |            |           | N/A            |                   |                               |
| AS 1141.23                      | LA Abrasion<br>Grading H  | Max 25%                            |            |           | N/A            |                   |                               |
| AS 1141.23                      | LA Abrasion<br>Grading J  | N/A                                | Maxim      | um 25%    |                | N/A               |                               |
| AS 1141.23                      | LA Abrasion<br>Grading K  |                                    | N/A        |           | Maximum<br>25% | Maximum<br>30%    | Maximum<br>30% <sup>(1)</sup> |
| AS 1141<br>42/40 <sup>[1]</sup> | PAFV                      | Min 48 <sup>[2]</sup>              |            |           | Minimum 45     | [2]               |                               |
| <b>TP70</b> 5 <sup>[1]</sup>    | Aggregate<br>Stripping    | Maximum 15% Wet and Maximum 5% Dry |            |           |                |                   |                               |
| AS 1141.20.1                    | ALD – Direct              | Reported Value N/A                 |            |           |                |                   |                               |
| AS 1141.20.2                    | ALD - Direct              | N/A Reported Value                 |            |           |                |                   |                               |
| AS 1141.20.3                    | ALD –<br>Calculated       | Reported Value <sup>(4)</sup> N/A  |            |           | N/A            |                   |                               |

4. Sample shall be prepared from an appropriately sized fraction of identical source rock.

5. A minimum value of 55 shall apply to sites requiring high skid resistance.

Calliper Ratio = 2:1; report each of % flat, elongated, and flat and elongated particles.
 Refer Clause 10.1 for verification check of direct and calculated ALD measurements.

DTEI XXCxxx

Specification: Part 215 Appendix 1

<u>SAND</u>

### SOURCE MATERIALS

| Type A and B | Shall be washed or unwashed natural pit, river or crushed quarry material. |
|--------------|--|
| Type C       | Shall be a crushed quarry product only.                                    |
| Type D       | Shall be a natural pit material, dune sand or crushed quarry product.      |

## PRODUCT QUALITY CONTROL

| TEST PROCEDURE        | MANUFACTURING TOLERANCE |              |                                |          |          |  |
|-----------------------|-------------------------|--------------|--------------------------------|----------|----------|--|
| QUALITY CONTROL TESTS |                         |              |                                |          |          |  |
|                       | Product                 | Sa - A       | Sa - B                         | Sa – C   | Sa – D   |  |
| Sieve Size (mm)       |                         |              | Percent Passing                |          |          |  |
|                       | 9.5                     | 100          | 100                            |          |          |  |
|                       | 6.7                     |              |                                | 100      | 95 - 100 |  |
| Particle Size         | 4.75                    | 95 - 100     | 95 - 100                       | 70 - 100 |          |  |
| Distribution          | 2.36                    | 75 - 100     | 75 - 100                       | 35-100   |          |  |
| TP134                 | 1.18                    | 55 - 90      | 45 - 90                        |          |          |  |
|                       | 0.600                   | 35 - 70      | 30 - 70                        |          |          |  |
|                       | 0.425                   |              |                                | 25 - 70  |          |  |
|                       | 0.300                   | 20 - 40      | 20 - 42                        |          |          |  |
|                       | 0.150                   | 5 - 20       | 15 - 30                        |          |          |  |
|                       | 0.075                   | 0 - 10       | 5 - 20                         | 8 - 23   | 0 - 10   |  |
| AS 1289.3.1.2         | Liquid Limit            | Max 25%      |                                |          |          |  |
| AS 1289.3.3.1         | Plasticity Index        | Non Plastic  | Ion Plastic Max 6% Non Plastic |          |          |  |
| AS 1289.3.4.1         | Linear Shrinkage        | Max 3%       |                                |          |          |  |
| AS 1141.34            | Organic<br>Impurities   | Satisfactory |                                |          |          |  |

DTEI XXCxxx

Specification: Part 215 Appendix 1

#### ASPHALT AGGREGATE

#### SOURCE MATERIALS

Source materials shall be natural quarried material. No recycled material is permitted to be included. Granite and gneiss shall not be used for Asphalt Aggregates.

Materials of the same size from two or more sources shall not be mixed

#### PRODUCT QUALITY CONTROL

Percentage Tolerances for the Assessment of Conformity of Aggregate and Sand Production

| Percentage Passing    | Tolerance about target composition of aggregate size D-d* |                                |              |             |  |
|-----------------------|---|--------------------------------|--------------|-------------|--|
|                       | Small<br>aggregate<br>(D≤20)                              | Large<br>aggregate<br>(D.> 20) | Natural Sand | Quarry Sand |  |
| One sieve less than D | ±8  | ±10                            |              |             |  |
| Closest sieve to d    | ±2.5  | ±5                             |              |             |  |
| 2.36 mm sieve         | -   | -                              | ±5           | ±5          |  |
| 1.18 mm sieve         | ±0.5  | ±0.5                           | ±4           | ±4          |  |
| 0.075 mm sieve        |   |                                | ±3           | ±3          |  |

| TEST<br>PROCEDURE          | MANUFACTURING TOLERANCE                |   |  |                                       |                 |                    |
|----------------------------|--|---|--|---------------------------------------|-----------------|--------------------|
|                            | Product                                | Coarse Fraction<br>(-37.5mm+<br>19.0mm)                             | Medium<br>Fraction<br>(-19.0mm +<br>6.7mm) | Fine Fraction<br>(-6.7mm +<br>2.36mm) | Natural<br>Sand | Quarry Sand        |
| AS 1141.24                 | Sulphate<br>Soundness                  | Maximum 12  |  |                                       | Maximum 15      |                    |
| AS 1141.30                 | Unsound &<br>Marginal<br>Stone Content | Maximum 5% (unsound stone)<br>Maximum 10% (marginal& unsound stone) |  |                                       |                 |                    |
| AS 1141.15                 | Flakiness<br>Index                     | Maximum 30  | Maximum 30                                 |                                       | ľ               | J/A                |
| TP 240                     | Elongation<br>Index                    | Maximum 35  | Maximum 35                                 |                                       |                 |                    |
| AS 1141.23                 | LA Abrasion<br>Max %                   | Maximum 35  | Maximum 25                                 | Maximum 30                            |                 |                    |
| AS 1289.3.1.2              | Liquid Limit                           |   |  |                                       |                 | Max. 25            |
| AS 1289.3.3.1              | Plasticity<br>index                    |   |  |                                       | NP              | Max 6 <sup>1</sup> |
| AS 1289.3.4.1              | Linear<br>shrinkage                    |   |  |                                       |                 | Max 3              |
| AS1141.34                  | Organic<br>impurities                  |   |  |                                       | Satis           | factory            |
| AS 1141 42/40 <sup>2</sup> | $PAFV^4$                               | -   | Minimum 483                                | -                                     | 1               | J/A                |
| AS1141.5,<br>AS1141.6.1 &  | Water<br>absorption &<br>densities     |   | 1  | Report Only                           |                 |                    |
| AS1141.6.2                 |  |   |  |                                       |                 |                    |

\*Aggregate size D-d, e.g. 10-7

1. Sand may be non-plastic

2. Sample shall be prepared from an appropriately sized fraction of identical source rock.

3. A minimum value of 55 shall apply to all OG and SMA Asphalt mixes. A minimum value of 55 shall also apply to specified sites requiring high skid resistance.

4. Aggregates within -9.5 mm to +6.7 mm fraction, prepared in accordance with AS 1141.40 Section 7.1.

Specification: Part 215 Appendix 1

## MINERAL FILLER FOR ASPHALT, OTHER THAN HYDRATED LIME

### PRODUCT QUALITY CONTROL

| TEST PROCEDURE | MANUFACTURING TOLERANCE                          |             |  |
|----------------|--|-------------|--|
| AS 1141.11     | Gradings<br>(0.60, 0.3 & 0.075 mm sieves) (%)    | Report Only |  |
| AS 1141.17     | Voids in Dry Compacted Filler (%)                | Report Only |  |
| AS 1289.B1.3   | Moisture Content (%)                             | 3% maximum  |  |
| AS 2350.8      | Specific Surface<br>(square metres per kilogram) | Report Only |  |
| AS 3583.3      | Loss on Ignition (% by mass)                     | 4% maximum  |  |
| AS 1141.8      | Water Soluble Fraction<br>(% by mass)            | 20% maximum |  |

DTEI XXCxxx

# 6 URGENT MOTIONS WITHOUT NOTICE

# 7 MEETING CLOSE

## MINUTES OF CITY OF MOUNT GAMBIER STRATEGIC STANDING COMMITTEE MEETING HELD AT THE COMMITTEE ROOM, LEVEL 4, CIVIC CENTRE, 10 WATSON TERRACE, MOUNT GAMBIER ON TUESDAY, 11 JUNE 2019 AT 5.30 P.M.

- **PRESENT:**Mayor Lynette Martin (OAM), Cr Frank Morello (Presiding Member), Cr Ben<br/>Hood, Cr Sonya Mezinec
- IN ATTENDANCE: Cr Christian Greco (left the meeting at 5.43 p.m.) Cr Steven Perryman (left the meeting at 5.44 p.m.) Cr Kate Amoroso (left the meeting at 5.44 p.m.) Cr Paul Jenner (left the meeting at 5.44 p.m.)
- OFFICERS IN<br/>ATTENDANCEChief Executive Officer<br/>General Manager Community Wellbeing<br/>General Manager Council Business Services<br/>General Manager City Infrastructure<br/>General Manager City Growth<br/>Executive Administration Officer-Mr A Meddle<br/>-<br/>Ms B Cernovskis<br/>-<br/>Mr N Serle<br/>-<br/>Dr J Nagy<br/>-<br/>Mrs M Telford

# 1 ACKNOWLEDGEMENT OF COUNTRY

WE ACKNOWLEDGE THE BOANDIK PEOPLES AS THE TRADITIONAL CUSTODIANS OF THE LAND WHERE WE MEET TODAY. WE RESPECT THEIR SPIRITUAL RELATIONSHIP WITH THE LAND AND RECOGNISE THE DEEP FEELINGS OF ATTACHMENT OUR INDIGENOUS PEOPLES HAVE WITH THIS LAND.

# 2 APOLOGY(IES)

# COMMITTEE RESOLUTION

Moved: Cr Frank Morello Seconded: Cr Ben Hood

That the apology from Cr Max Bruins be received.

CARRIED

# 3 CONFIRMATION OF MINUTES

# **COMMITTEE RESOLUTION**

Moved: Cr Frank Morello Seconded: Cr Sonya Mezinec

That the minutes of the Strategic Standing Committee meeting held on 13 May 2019 be confirmed as an accurate record of the proceedings of the meeting.

CARRIED

# 4 QUESTIONS WITHOUT NOTICE

Nil



# 5 REPORTS

## 5.1 STRATEGIC STANDING COMMITTEE - TERMS OF REFERENCE

## COMMITTEE RESOLUTION

Moved: Cr Frank Morello Seconded: Cr Sonya Mezinec

- 1. That Strategic Standing Committee Report No. AR19/26668 titled 'Strategic Standing Committee Terms of Reference' as presented on 11 June 2019 be noted.
- 2. The updated Terms of Reference for the Strategic Standing Committee as attached to Report No. AR19/26668 be adopted.

CARRIED

# **6 URGENT MOTIONS WITHOUT NOTICE**

Nil

# 7 CONFIDENTIAL ITEMS

# 7.1 PROPERTY MANAGEMENT - LICENCE EXPIRY REVIEW – REPORT NO. AR19/26427

# **COMMITTEE RESOLUTION**

Moved: Cr Frank Morello Seconded: Cr Ben Hood

## CONSIDERATION FOR EXCLUSION OF THE PUBLIC

Pursuant to section 90(2) of the *Local Government Act 1999* the Strategic Standing Committee orders that all members of the public, except Mayor L Martin, Councillors F Morello, B Hood and S Mezinec and Council Officers A Meddle, B Cernovskis, P Lee, J Nagy, N Serle and M Telford be excluded from attendance at the meeting for the receipt, discussion and consideration in confidence of Agenda Item 7.1 AR19/26427 Property Management - Licence Expiry Review.

The Strategic Standing Committee is satisfied that, pursuant to section 90(3) (b) and (d) of the Act, the information to be received, discussed or considered in relation to the Agenda Item is:

- information the disclosure of which could reasonably be expected to confer a commercial advantage on a person with whom the Council is
  - conducting business; or
  - proposing to conduct business; or
  - to prejudice the commercial position of the Council
- commercial information of a confidential nature (not being a trade secret) the disclosure of which could reasonably be expected:
  - to prejudice the commercial position of the person who supplied the information, or



- to confer a commercial advantage on a third party

The Strategic Standing Committee is satisfied that the principle that the meeting be conducted in a place open to the public has been outweighed in the circumstances because the information to be considered relates to the Council and the current tenants future interests in the letting of the subject property, the disclosure of which may reasonably be considered could prejudice the Councils commercial position and be beneficial or detrimental to 3rd parties associated with any expression of interest or tender for the occupation of the subject property.

CARRIED

# COMMITTEE RESOLUTION

Moved: Cr Ben Hood Seconded: Cr Sonya Mezinec

# CONSIDERATION FOR KEEPING ITEMS CONFIDENTIAL

- In accordance with Sections 91(7) and 91(9) of the Local Government Act 1999 the Council orders that the report 7.1 AR19/26427 Property Management - Licence Expiry Review and its attachments, the discussion and the resolution/s and minutes arising from the report, having been considered by the Council in confidence under Section 90(2) & (3) (b) and (d) be kept confidential and not available for public inspection until or the execution of an agreement with a new tenant, with resolution (b) to be released immediately upon advertisement of the matter by the licensee.
- 2. Further that Council delegates the power of review revoke, but not the extension, of the confidential order to the Chief Executive Officer on a monthly basis in accordance with the provisions of Section 91(9)(c) of the *Local Government Act 1999*.

CARRIED

# 8 MEETING CLOSE

The Meeting closed at 6.04 p.m.

The minutes of this meeting were confirmed at the Strategic Standing Committee held on 12 August 2019.

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PRESIDING MEMBER

