

Special points of interest:

- Version 5 of IDM.
- Major and minor changes included in V5.
- New Vision and Mission Statement
- New Board members
- Implementation of Sustainable Infrastructure Guidelines.
- CCTV inspections of underground pipes.

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Version 5 IDM out for public comment

The last major amendment of the IDM was version 4 which was adopted, by the then IDM Board, on the 30 November 2012.

Since that time significant issues have been considered by the Technical Committee and the Board of the LGIDA. The number of these has now reached the point where the Board has resolved to release a new version of the IDM.

This is a major new release of the IDM and therefore there is a need to consult with all member Councils and all stakeholders before adopting the new version of the IDM.

The Board at its meeting on the 18 March 2016 adopted Version 5 of the IDM for public comment, together with the Standard Drawings and the Sustainable Infrastructure Guidelines (SIGs).

The Board resolved to provide

a 6 week consultation period, during which time each member Council is encouraged to:

- Advertise in local papers that Version 5 of the IDM has been released for public comment and that submissions are being invited.
- Hold a meeting with stakeholders to discuss the major changes themselves, and the process and date for making submissions.

To assist Councils with this process a PowerPoint presentation has been developed and an advertisement prepared to be inserted in local newspapers.

A copy of Version 5 of the IDM for public comment, together with the latest version of the Standard Drawings and the Sustainable Infrastructure Guidelines will be available for

download from the LGIDA website as from 15 April 2016. A tracked change copy of v5 is also available to be downloaded.

The website is located at www.designmanual.com.au

Submissions are invited from any interested person. Councils are encouraged to distribute the link to v5 of the IDM to all interested parties in their Council and invite them to make a submission.

Submissions should be addressed to the Executive Officer, LGIDA and emailed to info@designmanual.com.au or mailed to PO Box 85, Tongala 3621 and will be received until 5.00 pm Friday 27 May 2016.

Enquiries can be made to the above email address or by phoning Ralph Kop on 0400 665197.

Major changes in Version 5

Version 5 of the IDM that has been released for public comment includes the following major changes:

- A new approach to approval of engineering plans—see clause 1.6.
- Implementation of recommendations for the C112 amendment to Greater Shepparton Planning Scheme in particular the rewriting of Clauses 3 and 4 of the IDM.
- A strengthened requirement to consider neighbourhood character—see clause 1.8.
- Includes a reference to the Sustainable Infrastructure Guidelines (SIGs) see Clauses 1.9.2 and Clause 3.6.
- The requirement by certain Councils for CCTV inspections of underground drainage pipes to be undertaken as part of the acceptance of works—see clause 7.9
- Changes resulting from the minimum lot sizes in the Low Density Residential Zone (LDRZ) being reduced from 4,000 m² to 2,000 m² - see clause 12.3 and others.

- Changes in drainage coefficients resulting from changes to LDRZ—see clause 16.7
- Clause 19 Onsite Detention Systems has been rewritten to provide additional commentary and to update the values in Table 13 Storage Volumes for Small Detention Systems.
- Clause 24 Landscaping and Public Open Space has been rewritten.

For other changes see Page 3.

Sustainable Infrastructure Guidelines



Sustainable Infrastructure Guidelines

The Board has previously adopted the Sustainable Infrastructure Guidelines (SIGs) “in principle” so that they could be included in the next major release of the IDM.

Version 5 of the IDM includes the necessary clauses to enable Councils to adopt the SIGs so that developers are required to assess the sustainability of their developments.

What is the purpose of the SIGs?

The guidelines seek to provide guidance on alternative design considerations and materials that will deliver more sustainable infrastructure through:

- Using recycled materials
- Reducing the carbon footprint of infrastructure projects
- Reducing maintenance and operating costs

- Utilising water in more efficient ways
- Utilising materials from sustainable sources

What is Sustainability?

Sustainability can be defined as meeting the economic social and environmental needs of current generations without compromising the needs of future generations. Accordingly, more sustainable infrastructure should require less energy and natural resources to build, operate and maintain, generate less pollution and preserve the natural environment to the greatest extent possible. Where there is a loss of natural resources these should be replaced or replenished.

Implementation of SIG's

Clause 1.9 of the Infrastructure Design Manual provides a mechanism through which Councils may consider adopting and approving inno-

vative solutions and using new technologies where they are satisfied that the objectives of the relevant clauses of the IDM will be achieved although the proposal may not comply with all relevant technical provisions.

Sustainable Infrastructure Checklist.

A Sustainability Checklist is provided in Appendix B of these Guidelines to provide documentation to demonstrate that the objectives of the Guidelines have been considered and implemented to assist Councils to assess the sustainability of a development.

Councils listed in Selection Table 3.6.1 in Clause 3.6 of the IDM will expect the checklist to be completed for all significant developments within their municipal boundaries.

CCTV of Underground Drainage Pipes

Version 5 of the IDM gives Councils the opportunity to require the developer to undertake a CCTV inspection of all underground drains.

A number of Councils place a condition on the planning permit requiring this work to be carried out.

This practice has come about because a number of pipes have been damaged as a result of the construction loads they are subject to.

To ensure that any such damage is detected CCTV inspections are undertaken.

Practice varies from Council to Council as to when these inspections should be carried

out. Some Councils require the inspection to be carried out prior to asphaltting of the road pavement so that any repair works will not damage the asphalt surface. Others require the inspection to be completed prior to the Statement of Compliance being issued and others just prior to the end of the defects period.

Each timing has its merits and so a selection table has been provided to enable those Councils who require CCTV inspections to be undertaken to nominate when they require those inspections.

Clause 7.9 of the IDM provides guidance and the technical requirements on how CCTV inspections are to be

undertaken.

Appendix H of the IDM provides a list of the acceptance criteria.



Updated Vision and Mission Statement

The Board at its last meeting adopted a revised vision and mission statement for the Association.

Our Vision

Effective, affordable and sustainable infrastructure.

Our Mission

The LGIDA will achieve this by:

- Working cooperatively

with stakeholders to develop and maintain municipal infrastructure design standards, streamline approval processes and to promote the formal recognition of the IDM across Victorian local government areas.

- Fostering consistent understanding and application of the IDM by practitioners and supporting

the professional development of technical and planning staff in relation to the IDM.

- Supporting and disseminating research and development to improve the technical content of the IDM.



Other changes included in version 5 of IDM

WSUD

There are three changes to Clause 20 of the IDM. One relates to the requirement for developers to show that their design is cost effective and sustainable.

The second change relates to stage developments served by a wetland. The developer is required to maintain the wetland until all stages of the development are completed. The last change relates to the provision of checklists for the construction of WSUD elements.

Average Exceedance Probability (AEP).

AEP is defined as The long-term average probability that the defined magnitude will be exceeded in any given year.

The industry practice is to refer to AEP instead of the Average Recurrence Interval (ARI) in relation to flooding and rainfall events.

The IDM now refers to AEP. The relationship between AEP and ARI is shown in Table 8 of the IDM.

Live Loads - Design of Pipes

There is a need to consider live loads when designing underground pipes particularly where the pipes could be subject to construction loads.

Designs show in such circumstances, for concrete pipes, the class of the pipe has needed to be increased from Class 2 to Class 4 or 5.

Retardation Basins

Need to be designed to comply with ANCOLD guidelines.



Code of Practice – Management of Infrastructure in Road Reserves

Advice has been received from VicRoads that the amendments to the Code of Practice—Management of Infrastructure in Road Reserves has reached the next step in the process. All relevant Ministers have signed off on the amendment. The only step remaining is the Minister for Roads and Road Safety to approve the publication of the Code. This is expected in the very near future.

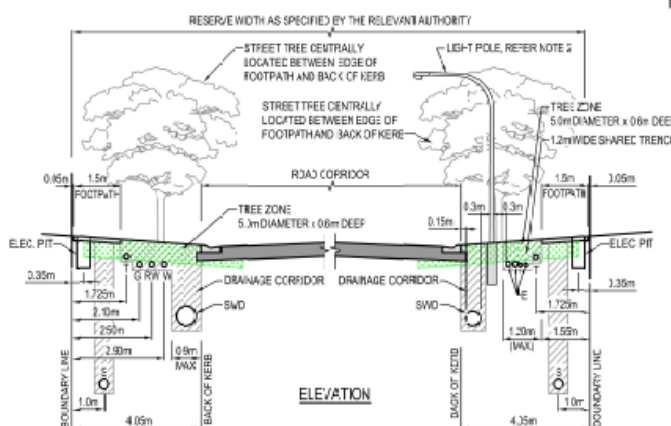


FIGURE 1 - PREFERRED TREATMENT FOR RESIDENTIAL STREETS

NOTES

1. MINIMUM DEPTH OF COVER TO ALL UTILITY SERVICES WITH THE EXCEPTION OF TELECOMMUNICATIONS SERVICES TO BE 600mm. TELECOMMUNICATIONS SERVICES ARE TO HAVE A MINIMUM DEPTH OF COVER OF 400mm. REFER TO CLAUSE 6, APPENDIX 1 FOR FURTHER DETAILS.
2. THE PREFERRED SEWER LOCATION IS OUTSIDE OF THE ROAD RESERVE. WHERE IT IS NECESSARY FOR THE SEWER TO BE WITHIN THE ROAD RESERVE, IT SHALL BE LOCATED AS INDICATED ON THE CROSS SECTIONS.
3. WHERE STORM WATER ASSETS BELONG TO MELBOURNE WATER AND ARE GREATER THAN 150mm IN DIAMETER, CONTACT SHOULD BE MADE WITH MELBOURNE WATER TO DETERMINE ITS REQUIRED LOCATION IN RELATION TO STREET TREES.
4. LOCATIONS OF STREET TREES, STREET LIGHTS, DRIVEWAYS AND PROPERTY BOUNDARIES ARE SHOWN INDICATIVELY ONLY.

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The Local Government Infrastructure Design Association is a group of 43 Councils who have adopted a single infrastructure design manual (IDM) that applies to their municipality. They have agreed to work together to maintain and promote the IDM. The group have identified the following benefits of the IDM:

- sharing financial and human resources to produce an IDM that will satisfy the requirements of the councils involved in the project;
- developing more consistency amongst design requirements for council officers, consultants and developers working in the municipalities;
- providing a stronger basis for the IDM at the Victorian Civil Appeals Tribunal as the design requirements have been developed and adopted by a number of municipalities rather than one;
- sharing of ideas and practices helps councils to adopt the best practice of each; and
- providing greater certainty for developers and reducing assessment timeframes which ultimately leads to reduced costs for developers.

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Bits and Pieces

New Board Members

During the last 6 months the Board has accepted the resignation of two of its Board members. The Board would like to thank Paula Gardiner for her many years of contributing to the IDM.

The Board also thanks David Moir for his contribution.

With only 6 months remaining on these positions the Board appointed Buddhima Mapa and Inoka Sanjeevanie to fill these vacancies and welcomes them to their new roles.

Apps for your Mobile Phone or Tablet.

The Board is interested in determining the level of interest in developing an app for mobile phones and tablets. This will be a topic of discussion at the next

Technical meeting.

It is planned to have a demonstration of I Auditor at the next Technical Committee meeting to show how this technology could be used to assist Councils in carrying out inspections.

Update on South Australian Councils.

Advice has recently been received that the SA Councils have prepared a draft Infrastructure Design Manual based on the IDM and it is now in a consultation phase amongst members.

They are currently preparing a set of standard drawings to complement their guidelines.

Website Forum.

It is good to see the forum being used to discuss issues

and swap ideas.

If you don't have a login send a request to info@designmanual.com.au

Facebook and LinkedIn

The President and the Treasurer are currently preparing Facebook and LinkedIn pages for the LGIDA.

If you have information that you believe should be included in these pages please make contact with the President on president@designmanual.com.au or the Treasurer on treasurer@designmanual.com.au

Are there any other forums that you believe that LGIDA needs to have a presence?

Discussion Topics

FOI vs Copyright Posted: 8 hours ago (29 Mar 2016 at 7:43 am) by Geoff Davis - 2 replies NEW
Signing of 'Endorsed' plans for Civil Works Posted: 2 weeks ago (05 Mar 2016 at 4:05 pm) by Carl Byrne - 2 replies
Maximum and Minimum Grades of Pavement in Intersections Posted: 2 weeks ago (05 Mar 2016 at 7:51 am) by Ralph Kop - 2 replies
Street tree bonding regime Posted: 3 weeks ago (00 Mar 2016 at 2:00 pm) by Evan Nesbet - 4 replies
Land for Power Company Substation Asset Posted: 2 months ago (01 Feb 2016 at 11:56 am) by Ian Harper - 2 replies
Developer Fencing of Reserves Posted: 2 months ago (01 Feb 2016 at 7:38 am) by John Inglis - 2 replies
staged subdivision Posted: 2 months ago (09 Jan 2016 at 12:04 am) by Inhor Gurung - 1 reply
Public Lighting Update (FYI) Posted: 3 months ago (07 Jan 2016 at 11:19 am) by Justin Hinch - 2 replies



