Standard Drawings

Moreton Bay Regional Council hosted the October meeting to the Standard Drawing Working Group. Following on from the previous discussions related to the guidance on how the drawings are to be used, a new disclaimer advising that the fitness for purpose of a drawing for a specific project shall be determined and certified by a Registered Professional Engineer of Queensland (RPEQ) will be added to the start of each collection, each index and on each drawing. The group will update all drawings and collections for a new release in early 2019.

Over the next few months, the standard drawings and associated records and will be transitioned across to the IPWEAQ Knowledge Centre. This will bring all of the IPWEAQ technical products onto the one platform, resulting in a consistent process for accessing publications and associated resources. The existing platform will remain operating in parallel with a full transition expected by June 2019.

One of the benefits of moving the drawings to Knowledge centre is the ability to notify users of updates and changes to individual drawings. This will be supported by a revision register that will provide historic information on the reasons the changes have been made.

The group is investigating the potential for issues from Rural driveways (RS – 056), Typical driveway section – road in cut, resulting from major storm events leading to a risk of overtopping. If you would like to provide feedback on this issue, please contact craig.moss@ipweaq.com

CAD Standards Working Group

Over the past few months, the group has been trialling the draft Public Works CAD Standard on a variety of project. An interesting observation has been that the success of these trials has been largely influenced by the personal preference of the user and the willingness to embrace change. The more positive experiences have come from the younger users with resistance to the standard predominantly stemming from older users. This indicates that an implementation strategy will need to be developed to manage the expectations of all users in order to achieve a successful outcome.

One of the areas for improvement identified during the trials was the limited number of model names for service providers that identifies the relevant entity. Solutions for this issue are currently being developed and could include identifying the entity within the attribute data. In addition to this, 12D is also working on a “names builder” function to assist users. Members of the group are also investigating options for the creation of a CTB output file for AutoCAD users.

Another key area that has been identified is that the survey customisation is critical. A number of areas are finding that surveyors using their own coding systems. The integration and compatibility of the survey and cad standards is essential to achieving efficient and effective work practices.

The CAD Standard is on target for release with 12D version 14 in early 2019.

Street Planning and Design Manual

The work on the Street Planning and Design Manual is continuing to gain momentum at both the strategic and operational level. The Steering Committee continues to meet regularly and have been encouraged with the level of interest being shown across our sector, ranging from state government departments through to individual planners and
designers. The level of buy-in from all parties has laid the foundation for a successful project that will ultimately deliver precincts that will meet the future needs of our communities. The following benefits are expected to accrue to stakeholders:

**Councils**
- Efficiencies with new planning schemes with individual councils avoiding ‘reinventing the wheel’ and efficiencies with state interest reviews as the SPDM will be endorsed by the Queensland Government; and
- Reduced need to retro fit established areas over time (adding footpaths, street trees etc or accommodating new technology).

**Developers/practitioners**
- Cost savings and efficiencies with street design standards and requirements being consistent across local government boundaries;
- More streamlined development assessment due to contemporary (supported by industry) requirements being consistently adopted by councils; and
- Reduced development costs and delays.

**Community**
Residents and users of physical environments that are designed in accordance with the SPDM will be the major beneficiaries of the development and delivery of the Manual.

Better designed neighbourhoods and new parts of cities and towns can contribute to:
- Lower rates of obesity and health problems (design of ‘healthy neighbourhoods’ that facilitate walkability and active transport usage);
- Increased public transport usage;
- Less accidents involving people and vehicle movement (including through use of safe design thinking);
- Crime prevention through environmental design (CPTED).

One of the keys to this project is the support and commitment shown by the Department of State Development, Manufacturing, Infrastructure and Planning. At the time of writing this article, the department and IPWEAQ are formalising an agreement to work collaboratively in the development of this manual.

An important stage of the project has been reached with the release of the draft EDQ Guidelines. This document will provide a framework for the Street Planning and Detailed Design and Standards working groups to reference in their ongoing activities.

I would like to take this opportunity to acknowledge the work of Trevor Parminter in the role of Project Manager. Trevor has been instrumental in driving this project to its current stage. Due to health issues, Trevor has had to stand down from this role and a new Project Manager is in the process of being formally appointed. I would like to thank Trevor for his valuable contribution and wish him the best for the future.

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**PUBLICATIONS**

- **Standard Drawings**
  Standard Drawings for General, Drainage and Water Quality, Parks, Roads, Homeowner.

- **Lower Order Road Design Guide**
  This guide offers a risk-based approach to lower road capital improvement.

- **Complete Streets**
  Guidelines for Urban Street Design

- **Supervisor’s Handbook**
  For supervisors and staff working on local government projects in the field.

- **Queensland Urban Drainage Manual**
  For engineers and stormwater designers in the planning, design and management of urban stormwater drainage systems.

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