

**2019 Strathcona County Design and Construction Standards update
Urban transportation-related sections****Report Purpose**

To provide Council with a summary of the proposed September 2019 update to the Strathcona County Design and Construction Standards.

Recommendations

1. THAT the Strathcona County Design and Construction Standards, as set out in Enclosure 2 of the Transportation Planning and Engineering 2019 Strathcona County Design and Construction Standards update report, be approved.
2. THAT Administration be authorized to make administrative amendments, as defined in the fourth paragraph below, to the Strathcona County Design and Construction Standards.

Our Prioritized Strategic Goals

Goal 2 - Manage, invest and plan for sustainable municipal infrastructure

Goal 5 - Foster collaboration through regional, community and governmental partnerships

Goal 8 - Foster an environment for safe communities

Report

The transportation-related sections of the Strathcona County Design and Construction Standards (the "Standards") have not been updated since 2005. The Transportation Planning and Engineering (TPE) department has undertaken a thorough review of the urban transportation-related sections of the Standards. During the review and update process, a great deal of collaboration occurred with many departments, including Planning and Development Services, Transportation and Agriculture Services, and Utilities. The engineering consulting firm, J. R. Paine, was retained to provide technical expertise on pavement structures, construction specifications, and materials testing requirements. Third-party utilities, including Shaw, Telus, Fortis, and ATCO, were also consulted.

The proposed updates were circulated to the Urban Development Institute (UDI) and comments were received from their stakeholders. Strathcona County representatives from multiple departments worked with UDI to clarify items and alleviate concerns, with minor revisions as applicable. A copy of the email from Mr. Solikowski (Enclosure 1) indicates the UDI's support of the proposed updates.

Enclosure 2 is the complete Strathcona County Design and Construction Standards document. An itemized summary of the proposed updates is included in Enclosure 3; TPE's presentation slides are found in Enclosure 4. Non-technical changes, such as grammar edits and section references, have also been made throughout the Strathcona County Design and Construction Standards document, included in Enclosure 2.

Going forward, Administration is requesting the authority to make administrative amendments to the Standards as required. Administrative amendments mean clerical changes, including formatting, spelling, cross-references, page/paragraph numbers, department name/contact information, point of contact information, or County logos/branding. Notice of the amendments would be posted to the website and email notifications sent to the distribution list on file. Giving Administration authority to make

administrative amendments to the Standards will help ensure the document is accurate and will help make the approval process more efficient.

Next steps for the Standards include updates to the open space sections which will be brought to Council by the Planning and Development Services department in the near future.

Council and Committee History

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| November 24, 2015 | Council carried the motion 423/2015 THAT the updated sanitary sewer (wastewater) system and water distribution sections of the Strathcona County Design and Construction Standards, be approved. |
| November 24, 2015 | Council carried the motion 422/2015 THAT an inflow and infiltration allowance of 0.28 L/sec/ha in the Design and Construction Standards, be approved. |
| November 24, 2015 | Council carried the motion 421/2015 THAT a residential wastewater peaking factor of the greater of 2 or $2.6 \times P^{-0.1}$, with provision for 24% more capacity than design capacity in new pipes that have a diameter of 375 mm or greater in the Design and Construction Standards, be approved. |
| June 16, 2015 | The Priorities Committee referred the Strathcona County Design and Construction Standards Update – Water and Wastewater to the July 7, 2015 Council Meeting for formal direction. |
| November 6, 2012 | Council approved the motion 680/2012 THAT Council approve the “Design and Construction Standards” dated November 2012. |
| December 13, 2011 | Council approved the motion 787/2011 THAT Council approve the “Design and Construction Standards” dated December 2011. |

Other Impacts

Policy: n/a

Legislative/Legal: n/a

Interdepartmental: Planning and Development Services; Transportation and Agriculture Services; Utilities; Transit; Recreation, Parks and Culture; Facility Services; Legislative and Legal Services

Master Plan/Framework: n/a

Communication Plan

Following Council approval, updates to the Design and Construction Standards will be posted on the website; email notification will be sent to the distribution list on file.

Enclosures

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| 1 | Email from M. Solikowski |
| 2 | September 2019 Strathcona County Design and Construction Standards |
| 3 | Itemized summary of September 2019 update |
| 4 | 2019 Strathcona County Design and Construction Standards update presentation |