

Report to Council



Date: July 27, 2020
To: Council
From: City Manager
Subject: Subdivision, Development and Servicing Bylaw 7900 – Amendment
Department: Infrastructure Engineering

Recommendation:

THAT Council receives, for information, the report from the Infrastructure Engineering Department dated July 27th, 2020, with respect to amending the Subdivision, Development and Servicing Bylaw No. 7900;

AND THAT Bylaw No. 12066, being Amendment No. 21 to Subdivision, Development and Servicing Bylaw No. 7900 be forwarded for reading consideration;

AND THAT Council Policy No. 266, being Subdivision, Development & Servicing – Approved Products List, be revised as outlined in the Report from Infrastructure Engineering Department dated July 27th, 2020.

Purpose:

To amend the Subdivision, Development and Servicing Bylaw No. 7900 and Approved Products List so they align with industry best practice and ensure the construction of high quality and long-lasting infrastructure.

Background:

Subdivision, Development & Servicing Bylaw 7900 sets the minimum standards and specifications for works and services in connection with developing and servicing lands within the City boundaries. Policy 266 – Approved Products List specifies the preapproved products and materials for infrastructure construction. Policy 266 is referenced and used in coordination with the Subdivision, Development and Servicing Bylaw.

The City periodically updates these standards to assure that the infrastructure installed is high quality, long lasting and supports service delivery. These standards are also reviewed against industry best practice to ensure the Community is receiving best value for their infrastructure dollars.

Staff's goal is to maintain Bylaw 7900 and Policy 266 as living documents through regular updates. To this end, a working committee was formed with representation from various internal groups, including Infrastructure Engineering, Infrastructure Delivery, Development Engineering, Development Planning

and Civic Operations. The working group meets regularly to review sections of the Bylaw, engage with internal and external stakeholders (such as the Urban Development Institute) and recommend changes to bring forward to Council. The changes identified below form part of the major components as part of this revision.

Schedule 4 - Design Standards Section 4 – Highway

The update to Highway standards includes addressing existing challenges identified by staff and to better align the Bylaw with existing policies and engineering best practices. This includes several minor wording/formatting changes and more significant changes including clarification of the cul-de-sac standards and inclusion of a design standard for roadway lighting and traffic signals.

Schedule 4 - Design Standards Section 5 – Roadway Lighting

The City owns and operates over 14,000 streetlights. The Roadway Lighting design standard has been added as a separate comprehensive section to the Bylaw. Some of these standards were previously contained in the Highway standards. These standards detail the City's Roadway Lighting design standards to ensure proper lighting for roadway and pedestrian safety and align with industry best practice (MMCD and Transportation Association of Canada).

Schedule 4 - Design Standards Section 6 – Traffic Signals

The City owns and operates over 700 traffic signals and crosswalks. The Traffic Signal design standard has been added as a separate comprehensive section to the Bylaw. Some of these standards were previously contained in the Highway standards. These standards detail Traffic Signal design standards for intersection performance and safety and align with MMCD and industry best practice.

Schedule 5 - Construction Standards - Sanitary Sewer Lift Station Design drawings and Traffic Signal Design Drawings

The City owns and operates more than 43 lift stations. Sanitary Sewer Lift Station design drawings were added to assist with the design of new lift stations to ensure that they are completed to a high standard. Standard detail designs will provide consistency which minimizes life cycle cost of operating and maintaining these critical infrastructure components.

Design drawings have also been added for the design of new traffic signals and pedestrian flashers. These drawings support the Traffic Signals design standards (Schedule 4).

Council Policy 266 Approved Products List

The Approved Products List (APL) is a listing of preapproved materials and products for infrastructure construction. The City has an internal process for ensuring the materials and products added to the APL are high quality and long-lasting. The APL has been updated with a standardized streetlight that is compatible with the Roadway Lighting Design standard.

Schedules A and B to this report provide a detailed review the of the proposed changes for Bylaw 7900 and Policy 266, respectively.

Internal Circulation:

Infrastructure Divisional Director
Infrastructure Delivery Department Manager
Development Engineering Manager
Engineering Technical Support Coordinator

Infrastructure Operations Department Manager
Utility Services Manager
Planner Specialist
Traffic Signals & Systems Supervisor
Integrated Transportation Manager
Senior Transportation Planning Engineer

Legal/Statutory Authority:

Subdivision, Development and Servicing Bylaw 7900 Design and Construction Standards will be amended upon Council's approval.

Existing Policy:

Policy 266 – Approved Products List Standards will be amended upon Council's approval.

External Agency/Public Comments:

The City undertook multiple consultations with UDI and received feedback on the proposed changes to Bylaw 7900 and Policy 266. We are committed to continuing to work together to make improvements where appropriate.

Considerations not applicable to this report:

Legal/Statutory Procedural Requirements
Financial/Budgetary Considerations
Personnel Implication
Communications Comments
Alternate Recommendation

Submitted by:

Joel Shaw, P.Eng., Infrastructure Engineering Manager

Approved for inclusion:



A. Newcombe, Divisional Director, Infrastructure

Attachment 1 – Schedule A – Summary of changes to Bylaw 7900

Attachment 2 – Schedule B – Summary of changes to Policy 266

Attachment 3 – Presentation

cc Deputy City Manager
Development Engineering Manager
Development Services Director
Divisional Director, Corporate Strategic Services
Divisional Director, Financial Services
Divisional Director, Infrastructure
Divisional Director, Partnership & Investments
Divisional Director, Planning & Development Services
Engineering Technical Support Coordinator
Infrastructure Delivery Department Manager

Infrastructure Operations Department Manager
Integrated Transportation Manager
Planner Specialist
Senior Transportation Planning Engineer
Traffic Signals & Systems Supervisor
Utility Services Manager