

Summary of September 2019 Strathcona County Design and Construction Standards update

The following is a summary of the major changes incorporated into the September 2019 Strathcona County Design and Construction Standards. Note that changes involving reformatting, grammar, and other editorial items have been made but have not been included in this list.

Volume 1, Section 2: Approval Process

Description	Section	December 2011 Standards	Proposed September 2019 Standards
Erosion and Sediment Control	2.1.10	N/A	to be considered on all projects
Hydraulic Network Analysis	2.2.1.7	N/A	to be submitted with Engineering Design Brief
Wastewater System Evaluation	2.2.1.8	N/A	evaluation to be submitted with Engineering Design Brief
Site Plan, Erosion and Sediment Control Plan, Landscape Plan	2.4.4.1, 2.4.4.7, 2.4.4.8	N/A	plans to be submitted with Development Permit applications

Volume 1, Section 4.1: Roads (Urban Service Area)

Description	Section	December 2011 Standards	Proposed September 2019 Standards
road classifications and traffic volumes	4.1.3.2	Table 4-1 included volumes for residential collectors only	Table 4-1 includes volumes and primary function for all roads; added divided collector; removed undivided arterial
Access Management on Divided Roadways section	4.1.6	N/A	full section added
driveway locations on undivided roadways	4.1.7.6, 4.1.7.10, 4.1.7.11	N/A	specified requirements for driveway locations; specified minimum driveway and intersection spacing
pavement structures	4.1.13.3, 4.1.13.4	structures specified for hot-mix asphalt	added Superpave Gyratory Compactor asphalt mixes; updated minimum structures
Temporary Roads and Turnarounds section	4.1.22	N/A	full section added
Road Classification and Geometric Design Summary table	Table 4-7	N/A	summary table added

Volume 1, Section 7: Standard Drawings

Description	Drawing	December 2011 Standards	Proposed September 2019 Standards
Developer Site-Specific Contributions	41006	N/A	added drawing
Sightline Diagrams	41008, 41009, 41010	N/A	added drawings
Auxiliary Lane Geometry	41011	N/A	added drawing
Cul-de-sac Bulb	41012, 41013	41301	added sidewalk connection to Public Utility Lot (PUL)
divided collector cross-sections	41119, 41120	N/A	added drawings
Bus Stop Pad	41120, 41121	N/A	added drawings

Volume 2, Contract-related sections

The County's Standard Form Construction Documents fall under authority of Part 6, Financial Powers of the Chief Commissioner, of the Chief Commissioner's Bylaw 21-2015. Updates to those documents, completed in 2018, were led by the Legislative and Legal Services department and the Procurement Services department. As such, the following related sections have been removed from the Proposed September 2019 Strathcona County Design and Construction Standards:

1. Section 1A, Notice to Tenderers
2. Section 1B, Summary of Work
3. Section 2, Instructions to Tenderers
4. Section 3, General Conditions of the Contract
5. Section 4, Special Provisions
6. Section 5, Tender Form
7. Section 6, Agreement and Bond Documents
8. Section 8, Construction Drawings

Volume 2: Construction Specifications

Description	Section	December 2011 Standards	Proposed September 2019 Standards
clubroot testing and management	various	N/A	added requirements for clubroot testing and clubroot management plan
Superpave Gyratory Compactor asphalt mixes	various	N/A	added requirements for testing, design and placement of Superpave Gyratory Compactor mixes
Full Depth Asphalt Reclamation section	405	N/A	full section added
Fillcrete section	505	N/A	full section added
pavement markings type and maintenance	701 (3.6.2, 3.10)	required types and maintenance periods were incomplete/ unclear	clarified sections and added missing information