



— Township of —

**SEVERN**

## **ENGINEERING STANDARDS**

Introduction and General Requirements



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# 1 Overview

The Township of Severn Engineering Standards are provided as guidelines to ensure uniform design throughout the Township for all types of projects, including both capital infrastructure and land development works. These requirements are not intended to be exhaustive and do not relieve the qualified practitioner of the responsibility of ensuring the completeness and quality of their design. Innovative technological changes that improve or maintain the quality of the design on a life cycle cost basis may be considered at the discretion of the Township.

There may be other stakeholders and/or agencies with their own requirements and guidelines for projects. Practitioners are advised to also familiarize themselves with any and all guidelines and standards of other stakeholders and agencies, as may be applicable.

These standards are to be read in conjunction with the latest editions of the Ontario Provincial Standard Specifications (OPSS), the Ontario Provincial Standard Drawings (OPSD), and all other relevant design codes, standards, and legislation. It is the qualified practitioner's responsibility to ensure they are using the latest versions of all documents. Further, any conflicts or discrepancies between the Township's requirements and that of other references must be reported to the Township. Unless otherwise confirmed by the Township, the Township's requirements shall prevail.

# 2 Revisions

Revisions and updates to the Township's engineering standards and requirements will be required from time to time. Revisions to the document are summarized in the table below.

It is the responsibility of the qualified practitioner to obtain and make use of the latest version.

Any person may suggest a change or revision by submitting a written request to the Township.

Revision	Date	Details
0	2014	Original document prepared by C.C. Tatham and the Township
1	2023	Full document reissued. Prepared by Ainley Group and the Township

### 3 Definitions

In reviewing the Township's engineering standards, the following definitions and abbreviations shall apply:

"Township" shall mean the Corporation of the Township of Severn and may include any agents acting on the Township's behalf.

"Contractor" shall mean the firm of Contractors, the company or individual acting as the Contractor and having entered into a contract with the Township or Developer/Owner to install the services.

"Developer(s)/Owner(s)" shall mean the person(s) entering into a Site Plan or Subdivision agreement with the Township.

"Qualified Practitioner" shall mean a competent professional engineer, firm of engineers, landscape architect, arborist, or other professional employed by the Township or Developer/Owner who is registered and in good standing with their respective professional organizations and who hold the required licenses, certificates of authorizations, or other requirements in order to practice and provide professional services to the public in their respective area of expertise.

"AWWA" shall mean the American Water Works Association.

"CSA" shall mean the Canadian Standards Association.

"DFO" shall mean the Department of Fisheries and Oceans, Canada.

"MNRF" shall mean the Ontario Ministry of Natural Resources & Forestry.

"MECP" shall mean the Ontario Ministry of the Environment, Conservation, and Parks.

"MTO" shall mean the Ontario Ministry of Transportation.

"CHBDC" shall mean the Canadian Highway Bridge Design Code.

"OPSD" shall mean the Ontario Provincial Standard Drawings.

"OPSS" shall mean the Ontario Provincial Standard Specification.

### 4 Barrier Free Considerations

The design and construction of all new facilities as well as retrofits, alterations, or additions to existing facilities that are or will be owned, leased, or operated by the Township must comply with the requirements of the Accessibility for Ontarians with Disabilities Act (AODA) and its associated regulations to remove barriers for the public.

The Township is adopting the City of London, Ontario Facility Accessibility Design Standards (FADS). This means that all qualified practitioners must ensure that they are familiar and comply with these requirements. Where there is any discrepancy or conflict between the

FADS and any other Township standard, policy, by-law, etc., the practitioner must bring this to the Township's attention for a determination to be made on how to proceed.

## **5 Climate Change**

The Township is dedicated to protecting our environment and combatting the effects of climate change. The Township's Climate Change Action Plan was considered in the development of these engineering standards and it is to be considered by all practitioners when planning, designing, and constructing any capital infrastructure or land development project within the municipal boundary.