



London
CANADA

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Chapter 15

Installation, Inspection of Sewer and Water Works

Design Specifications & Requirements Manual

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City of London

Design Specifications and Requirements Manual

The design information contained in this manual is intended to provide guidance beyond legislative and standard design practices for use in the City of London (the City). There will be site specific situations where the design will depart from these practices as it is not possible nor is it the intention of the City to anticipate every situation. The City intends to review and revise the Manual from time to time. The City also acknowledges that other references such as the 'Standard Contract Documents for Municipal Construction Projects' are to be used in conjunction with this manual. The 2012 update of this manual incorporates design information from the City's former 'Subdivision & Development Guide Manual' to provide consistent and current design information for development projects.

The City of London maintains its right to accept or refuse any design submissions and requires an acceptable design for any given circumstance.

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15 Installation, Inspection of Sewer and Water Works

The following addresses specifications and requirements to be met by the Owner or Contractor for the installation and construction of sewer and water works.

15.1 Approvals of Sewers and Watermains

Prior to installation of sewers and watermains, the Owner must have obtained:

- Final Approval from the Engineer,
- the Environmental Compliance Approvals from the Ontario Ministry of the Environment, Conservation and Parks for all sewer and watermain work, and
- the execution of all required agreements with the City.

Installation shall be in accordance with applicable OPSS and City of London Standard Contract Drawings for Municipal Construction Projects.

15.2 Inspection of Sewers & Watermains

A City Inspector shall, at all times, have access to the work. At least 24 hours before commencing installation, the Owner or Contractor shall apply to the City Technical Services Division for inspection and the Engineer shall determine the extent of inspection required.

15.2.1 Owner's Supervision

The provision of inspection by the City is not to be considered a substitute for supervision by the Owner or Contractor.

A Consultant's Inspector engaged by the Owner to inspect the sewer and watermain installation must have successfully completed the five day OGRA & MEA Inspector's Course called "Sewer and Watermain Construction Inspection (TM43)" or a consultant may obtain approval from the Engineer upon written request for use of Inspectors with a minimum of ten (10) years related construction experience in lieu of MEA/MECP Inspector's Course.

The Owner or Contractor shall provide and leave a competent and reliable agent or foreman in charge for them and such person shall be considered as acting in their place and all notices, communications, instructions or orders given, sent or served upon such person shall be taken as served upon the Owner or Contractor.

15.2.2 Revisions to Plans

Any changes required by the Owner to plans which have received final approval must be resubmitted to the Engineer for approval before the inspector will permit such changes to be made during installation.

15.2.3 City Inspector's Authority

An Inspector may stop the work entirely if there is not a sufficient quantity of suitable and approved material on the site to carry out the work properly, if approved drawings and Specifications are not on the site, or if material or workmanship that is contrary to the plans or Specifications is being used.

If the Owner or Contractor covers or permits to be covered, work that has been designated for tests, inspections or approvals before such tests, inspections or approvals are made, given or completed, they shall, if so directed, uncover such work to have the inspections or tests satisfactorily completed and make good such work at their own expense.

15.2.4 Charges for Inspection

When an Owner or Contractor is required to have a City Inspector on the job, they shall be charged at the prevailing rate plus a trucking charge. In the event the Inspector is required during premium time periods the applicant shall be charged at current overtime rates.

If the work at any site is widespread to a point where an Inspector may not, in the opinion of the Engineer, give proper supervision to a job, then the Engineer shall determine whether extra Inspectors are required.

If required, the Engineer will place these extra Inspectors on the job and charge the Owner or Contractor for the services at the prescribed rate.

15.2.5 Emergency Repairs to Sewer and Water Service by City during Guarantee Period

During the guarantee period, where maintenance of water service to the consumer or consumers is required, or where, in the opinion of the Engineer or their representative, a faulty or damaged installation may cause inconvenience or further damage, the City will act immediately to make safe the condition for consumers after which the owner will be contacted and advised of the problem and given the opportunity to immediately affect repair. If the owner chooses not to respond forthwith or cannot be contacted, immediate repairs will be undertaken by the City. The cost of such repairs will be charged to the Owner. The decision of the Engineer or their representative will be final as to the necessity of repairs done or required and the amount expended for these repairs.