

**Amendment to OPSS.MUNI 518 (Apr 2017) –  
Construction Specification for  
Control of Water from Dewatering Operations**

**OPSS 518.07            CONSTRUCTION**

**OPSS 518.07.01      Disposal of Water**

Subsection 518.07.01 of OPSS.MUNI 518 is amended by the addition of the following sentence:

The disposal or discharge of water shall be according to the requirements of Toronto Municipal Code, Chapter 681, Sewers.





**CONSTRUCTION SPECIFICATION FOR  
CONTROL OF WATER FROM DEWATERING OPERATIONS**

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**518.01 SCOPE**

This specification covers the requirements for the control of water from dewatering operations prior to discharge to the environment and sewer systems. This specification does not apply to the management of contaminated water.

**518.01.01 Specification Significance and Use**

This specification is written as a municipal-oriented specification. Municipal-oriented specifications are developed to reflect the administration, testing, and payment policies, procedures, and practices of many municipalities in Ontario.

Use of this specification or any other specification shall be according to the Contract Documents.

## **518.01.02 Appendices Significance and Use**

Appendices are not for use in provincial contracts as they are developed for municipal use, and then, only when invoked by the Owner.

Appendices are developed for the Owner's use only.

Inclusion of an appendix as part of the Contract Documents is solely at the discretion of the Owner. Appendices are not a mandatory part of this specification and only become part of the Contract Documents as the Owner invokes them.

Invoking a particular appendix does not obligate an Owner to use all available appendices. Only invoked appendices form part of the Contract Documents.

The decision to use any appendix is determined by an Owner after considering their contract requirements and their administrative, payment, and testing procedures, policies, and practices. Depending on these considerations, an Owner may not wish to invoke some or any of the available appendices.

## **518.02 REFERENCES**

When the Contract Documents indicate that municipal-oriented specifications are to be used and there is a municipal-oriented specification of the same number as those listed below, references within this specification to an OPSS shall be deemed to mean OPSS.MUNI, unless use of a provincial-oriented specification is specified in the Contract Documents. When there is not a corresponding municipal-oriented specification, the references below shall be considered to be the OPSS listed, unless use of a provincial-oriented specification is specified in the Contract Documents.

This specification refers to the following standards, specifications, or publications:

### **Ontario Provincial Standard Specifications, Construction**

OPSS 805 Temporary Erosion and Sediment Control Measures

## **518.03 DEFINITIONS**

For the purpose of this specification, the following definitions apply:

**Dewatering Operation** means pumping, baling, temporary ditching, or vacuum removal of uncontaminated groundwater, rain water, melt water, stormwater, surface run-off, water pipe leakage from excavations and trenches or within sheeted cofferdams to improve the soil stability or for other construction purposes.

**Vegetated Discharge Area** means a sloped, open area of land with existing vegetation suitable to prevent erosion.

**Sediment** means soil particles detached from an earth surface by erosion.

**Sediment Control Measure** means a measure to remove sediment from water prior to discharge to the environment and sewer systems.

**518.07 CONSTRUCTION**

**518.07.01 Discharge of Water**

Water from dewatering operations shall be directed to a sediment control measure and/or a vegetated discharge area according to OPSS 805 prior to discharge to the environment.

When water is discharged from a sediment control measure or a vegetated discharge area to the environment, it shall be done in a manner that does not cause erosion or other damage to adjacent lands.

Owner approval shall be obtained prior to discharge of water to a sewer system.

All other required approvals for dewatering operations shall be obtained and/or complied with prior to and during discharge of water.

**518.07.02 Discharge to Sediment Control Measures**

The installation, maintenance, and removal of temporary erosion and sediment control measures shall be according to OPSS 805 and as specified in the Contract Documents.

**518.07.03 Discharge to Vegetated Discharge Areas**

Equipment and materials not related to dewatering shall not be used or stored in vegetated discharge areas.

**518.07.04 Discharge to the Environment**

The discharge of water to the natural environment shall not be directed across pavements, sidewalks, curb and gutter or similar hard surfaces except through appurtenances as specified in the Contract Documents.

**518.07.05 Management of Excess Material**

Management of excess material shall be according to the Contract Documents.

**518.07.06 Protection of Waterbodies and Waterbody Banks**

Protection of waterbodies and waterbody banks shall be according to the Contract Documents.

**518.10 BASIS OF PAYMENT**

Payment at the Contract price for the appropriate tender items associated with dewatering shall include full compensation for all labour, Equipment, and Material to do the work.

When the Contract contains separate items for work required by this specification, payment shall be at the Contract prices and according to the specifications for such work.

**Appendix 518-A, November 2016  
FOR USE WHILE DESIGNING MUNICIPAL CONTRACTS**

**Note:** This is a non-mandatory Commentary Appendix intended to provide information to a designer, during the design stage of a contract, on the use of the OPS specification in a municipal contract. This appendix does not form part of the standard specification. Actions and considerations discussed in this appendix are for information purposes only and do not supersede an Owner's design decisions and methodology.

**Designer Action/Considerations**

The designer should be aware that this specification does not apply to contaminated water sources.

The designer should specify the following in the Contract Documents:

- Construction requirements for sediment control measures. (518.07.02)
- Types of erosion and sediment control measures. (518.07.03)

The designer should ensure that the General Conditions of Contract and the 100 Series General Specifications are included in the Contract Documents.

**Related Ontario Provincial Standard Drawings**

OPSD 219.100 Light-Duty Straw Bale Barrier  
OPSD 219.110 Light-Duty Silt Fence Barrier  
OPSD 219.120 Light-Duty Fibre Roll Barrier  
OPSD 219.130 Heavy-Duty Silt Fence Barrier  
OPSD 219.131 Heavy-Duty Wire-Backed Silt Fence Barrier  
OPSD 219.150 Sandbag Barrier  
OPSD 219.160 Fibre Roll Grade Breaks  
OPSD 219.180 Straw Bale Flow Check Dam  
OPSD 219.191 Fibre Roll Flow Check Dam  
OPSD 219.200 Sandbag Flow Check Dam  
OPSD 219.210 Temporary Rock Flow Check Dam V-Ditch  
OPSD 219.211 Temporary Rock Flow Check Dam Flat Bottom Ditch  
OPSD 219.220 Sediment Trap In Ditch  
OPSD 219.230 Temporary Slope Drain For Sediment Trap  
OPSD 219.231 Temporary Berm Barrier  
OPSD 219.240 Sediment Trap for Dewatering  
OPSD 219.260 Turbidity Curtain  
OPSD 219.261 Turbidity Curtain Seam Detail