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| Version | Date | Description of Revisions |
| 1 | October 27, 2015 | Spec renumbered and rewritten to reflect OPSS |
| 2 | March 21, 2016 | Revised Based on Legal comments #6409381-v1A (AAM) |
| 3 | May 1,2017 | Revised to reflect OPSS.MUNI 517 (Apr 2017) and OPSS.MUNI 518 (Apr 2017) |

NOTE:

This is a CONTROLLED Document. Any documents appearing in paper form are not controlled and should be checked against the on-line file version prior to use.

**Notice:** This Document hardcopy must be used for reference purpose only.

**The on-line copy is the current version of the document.**

# GEneral

## Summary

### This Section includes the general requirements for dewatering procedures to stabilize the ground and keep excavations free of water during installation of sanitary and storm pipe sewers, pipe culverts and end sections, forcemains and associated appurtenances, watermains and associated appurtenances, and other underground Utilities; maintenance holes, catch basins, ditch inlets, and valve chambers; and any other specified subsurface construction.

## Related Sections

### [Under "Related Sections", identify other Sections that are related to, and/or dependent on, the work results or information specified elsewhere. The list should be limited to Sections with specific information that the reader might expect to find in this Section, but is specified elsewhere. For example, if hardware for aluminum entrances is specified in the aluminum entrance Section, a cross-reference would be appropriate in the finish hardware Section. The purpose of this cross-referencing is for information only, to aid in finding those other requirements—not to define the scope of the Section.

### Cross-referencing here may also be used to coordinate assemblies or systems whose components may span multiple Sections and which must meet certain performance requirements as an assembly or system.

### This Section is to be completed/updated during the design development by the Consultant. If it is not applicable to the section for the specific project it may be deleted.]

### [List Sections specifying installation of products supplied but not installed under this Section and indicate specific items.]

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: Execution requirements for [[item]... specified under this Section.

### [List Sections specifying products installed but not supplied under this Section and indicate specific items.]

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: Product requirements for ...[item]... for installation under this Section.

### [List Sections specifying related requirements.]

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: [Optional short phrase indicating relationship].

#### Section 01060 – Regulatory Requirements

#### Section 01300 – Submittals

#### Section 01561 – Environmental Protection

#### Section 02230 – Site Preparation for Pipelines, Utilities and Associated Structures

#### Section 02241 – Provide Water Control Plan, Dewatering, Discharge Plan and Groundwater Monitoring Program

#### Section 02242 – Supply Install and Subsequently Remove Dewatering System

#### Section 02243 – Operate and Maintain Dewatering System

#### Section 02244 – Retain Specialty Subcontractor To Monitor Existing Groundwater Levels and Discharge Water Quality in Accordance With PTTW

#### Section 02245 – Restoration Works Associated With Dewatering Activities

#### Section 02246 – Bypass Pumping or Fluming and Unwatering

#### Section 02314 – Tunnelling

#### Section 02315 – Trenching, Backfilling and Compacting

## References

### Ontario Ministry of the Environment and Climate Change

#### Guide to Permit to Take Water

### Ontario Provincial Standards for Roads and Public Works (OPSS)

#### OPSS.MUNI 517 (Apr 2017) Dewatering of Pipeline, Utility and Associated Structure Excavation

#### OPSS.MUNI 518 (Apr 2017) Control of Water From Dewatering Operations

### Ontario Water Resources Act R.S.O. 1990 c. O.40

#### O. Reg. 387/04 Water Taking and Transfer

### Regional Municipality of York

#### Bylaw 2011-56 Discharge of Sewage, Storm water and Land Drainage Bylaw (Amended 2014)

## Measurement and Payment

*[Choose one of the following payment language provisions that best suits the individual project.*

*If this Section is not specifically referenced by an item in the Bid Form, please use the following language:*

### 1. The work of this Section will not be measured separately for payment. All costs associated with the work of this Section shall be included in the Contract Price.

*OR If this Section is specifically referenced in the Bid Form, use the following language and identify the relevant item in the Bid Form:*

### All costs associated with the work of this Section shall be included in the price(s) for Item No(s). \_\_\_ in the Bid Form.

*If the work of this Section is to be measured and paid for by several different methods, please amend the standard wording given above to reflect the different methods of measurement and payment.*]

# PRODUCTS (Not Used)

# EXECUTION

## Summary

### [*Note to Consultant- Delete if a prequalification requirement was not conducted. Also ensure pre-qualified Subcontractors are included in the Instructions to Bidders.]* The Contractor at its own cost, shall engage the services of one of the pre-qualified specialist dewatering Subcontractors. Please refer to section 28 of the Instructions to Bidders.

### *[Note to Consultant- Delete if a hydrogeological study was not conducted. Ensure hydrogeological study has been included with the contract]* A hydrogeological study has been completed and a Hydrogeological Investigation for Watermains Associated with [Name of Project], by [Name of Geological Consultant] Report # [number and Name of Report], dated [insert date], is included with, but does not form part of, the Contract Documents.

### The Region and the Consultant accept no responsibility for the accuracy of any information contained in the hydrogeological report. Any claims arising from the interpretation of available information in the reports listed in [paragraph 13 of the Instructions to Bidders] as being included with, but not forming a part of the Contract Documents, will not be considered.

### The Contractor shall obtain additional information to satisfy itself of the nature of the groundwater hydraulic behaviour of the Site and surrounding area to ensure that it has sufficient information for construction purposes.

### The Contractor shall make its own investigations, and its own interpretations of the factual results presented in the reports included in [paragraph 13 of the Instructions to Bidders] and draw its own conclusions as to how the subsurface conditions may affect the Work.

### *[Note to Consultant- Ensure PTTW has been obtained and is included with the contract]* All terms and conditions of the Permit to Take Water (PTTW), identified within the Articles of Agreement, A-2 shall be met and/or followed during any type of dewatering operation.

**END OF SECTION**