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| Version | Date | Description of Revisions |
| 1 | March 21, 2016 | New Spec based on OPSS 404 Support Systems (AAM) |
| 2 | December 12, 2017 | Updated reference to OPSS.MUNI 404 (Nov 2017) (AAM) |

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

### Comply with the requirements of Division 1 - General Requirements.

### This Specification Section covers the requirements for supplying, placing, maintaining, and removing support systems required to permit the excavation and backfilling of trenches or excavations for the 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.*

#### *Contractor is responsible for coordination of the Work.*

#### *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.]*

### .1 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.]

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

#### Section 02511 – Watermains

#### Section 02530 ­– Sewerage

#### Section 02531 – Sewage Forcemains

#### Section 02631 – Manholes and Catchbasins

## References

### Ontario Provincial Standards for Roads and Public Works

#### OPSS.MUNI 404 Support Systems (Nov 2017)

### Occupational Health and Safety Act, R.S.O. 1990, c.O.1, as amended

### Ontario Regulation 213/91 Construction Projects, as amended

## Definitions

### OPSS.MUNI 404.03 shall be followed

## Design and Submission Requirements

### OPSS.MUNI 404.04.01.01 [Consultant shall note if a pre-condition survey has been completed and forms part of the Contract Documents]

# MATERIALS (Not used)

# EXECUTION

## OPSS.MUNI 404.07 shall be followed with the following amendments:

**404.07.03** **Removal, Backfilling and Compacting** is amended by the replacement of the first paragraph with the following:

As the excavation is backfilled, the support system shall be removed, unless it is specified in the Contract Documents to be left in place or approved by the Consultant.

**END OF SECTION**