

## Amendment to Design Criteria for Sewers and Watermains Manual (Jan 2021)

### Appendix I – Pumping Stations

Appendix I, *Pumping Stations* is amended by the addition of the following section and table:

### Pumping Station Design Specification Files

**Table: Specifications, AutoCAD and other standards for pumping stations**

WASP doc.Ref#	Specification Number	Description	Version Date
	Division 16 Electrical Specifications		
WASP doc.1	16122	Wire and Cables	June 28, 2021
WASP doc.2	16232	Diesel Electric Generating Units (Air Cooled) 600V	December 7, 2017
WASP doc.3	16235	Installation of Electric Power Generating Equipment	February 8, 2018
WASP doc.4	16301	Automatic Transfer Switch (ATS)	August 24, 2017
	Other Standards		
WASP doc.5	CSA Z462-08	Arc Flash Standard	December 2008
WASP doc.6		Design Criteria for Sewers and Watermains manual: Appendix I – Pumping Station	January 2021
WASP doc.7		Design Standardized Manufacturer List	
WASP doc.8	Ministry of the Environment  ISBN 978-1-4249-8438-1  PIBS 6879	MECP – Design Guidelines for Sewage Works: Chapter 7 – Sewage Pumping Stations	2008
WASP doc.9		Appendix A.11 – Electrical System	June 2017

<b>WASP doc.Ref#</b>	<b>Specification Number</b>	<b>Description</b>	<b>Version Date</b>
WASP doc.10		Arc Flash and Shock Risk with Appropriate PPE required	
WASP doc.11		Sample Cable Schedule – Toronto Water	
WASP doc.12		Sample standard design drawings	
WASP doc.13		Standard Legend – Electrical	
WASP doc.14		AutoCAD Standards	
	PCS Standard Reference		
WASP doc.15	13300	Control Panel Design	
WASP doc.16	16020	Electrical Control Schematic Diagrams	
WASP doc.17	13100	Instrumentation Design	
WASP doc.18		Appendix A.12 – Process Control System	January 2019
WASP doc.19		PCS Standards Readme File	

Design consultant to contact Toronto Water, Distribution and Collection, manager of wastewater and stormwater pumping (WASP) for any clarification on documents.