

# Winnipeg Sewage Treatment Program



## Design Standards

Revision 0  
2015-04-15

## TABLE OF CONTENTS

1	Introduction.....	3
2	Design Guidelines .....	4
2.1	Description .....	4
2.2	List.....	4
3	Standards .....	5
3.1	Description .....	5
3.2	List.....	5
4	Standard Specifications.....	6
4.1	Description .....	6
4.2	List.....	6

DRAFT

# 1 INTRODUCTION

The objective of the WSTP Design Standards is to guide all project participants in the design and construction of wastewater treatment facilities. The WSTP Design Standards consist of three components:

- Design Guidelines
- Standards
- Standard Specifications

A description of each of the components is provided in the following sections.

Any proposed work that deviates from the WSTP Design Standards must be clearly identified to the City Project Manager, with justification for the deviation. The work shall not proceed until written approval of the deviation is received from the City Project Manager.

The WSTP Design Standards are not intended to replace or supersede applicable codes or regulations. In the event of a potential conflict between the WSTP Design Guidelines and application regulations, the City's Project Manager shall be advised.

DRAFT

## 2 DESIGN GUIDELINES

### 2.1 Description

The Design Guidelines assist and guide design engineers in the design requirements for City sewage treatment facilities. They serve as a reference for consistent design of City wastewater treatment facilities.

### 2.2 List

**Table 2-1 : List of Design Guidelines**

<b>Document Title</b>	<b>Current Revision</b>
Architectural Design Guideline	Planned
Automation Design Guide	Draft (PC)
Building Mechanical Design Guideline	Planned
Civil Design Guideline	Planned
Electrical Design Guide	Rev 00
Process Mechanical Design Guideline	Planned
Structural Design Guideline	Planned

### 3 STANDARDS

#### 3.1 Description

The Standards provide accepted design details related to the Construction and implementation of wastewater treatment facilities. The Standards define what an end product should look like. No deviations from the Standards will be accepted without written approval by the City Project Manager.

#### 3.2 List

Table 3-1 : List of Standards

Document Title	Current Revision
WSTP Electrical Standards	Planned
WSTP Equipment Labelling Standard	Planned
WSTP Historical Data Retention Standard	Draft (PB)
WSTP HMI Animation Standard	Planned
WSTP Paint Color Standard	Planned
WSTP Piping Material Standard	Planned
WSTP Tag Naming Standard	Draft (PA)
WWD Identification Standard	00

## **4 STANDARD SPECIFICATIONS**

### **4.1 Description**

The Standard Specifications outline the contractual requirements for the construction of wastewater capital projects. The Standard Specifications must be supplemented by specific project specifications to provide a complete specification package for each project.

### **4.2 List**

The City of Winnipeg Standard Construction Specifications shall apply as appropriate for civil works (see <http://www.winnipeg.ca/matmgt/Spec/Default.stm>).

No WSTP standard specifications have been approved at this time.

DRAFT