Foreword

The Water Resources Management Division of the Department of Environment and Conservation considers the Guidelines for the Design, Construction and Operation of Water and Sewerage Systems as an integral part of its regulatory program directed at ensuring public health and environmental protection.

This document supersedes April 1980 version of the "Guidelines for the Design, Construction and Operation of Water and Sewerage Systems". During the preparation of the current document, the main objectives were: (i) to keep pace with the new development in water and sewer industry and provide appropriate guidance and (ii) to ensure the consistency between the content of guidelines document and the master specifications document. The document provides general guidance on good engineering practices for design, construction, operation and maintenance aspects of water and sewerage systems.

As a part of the review process, the Water Resources Management Division referred and reviewed: the Nova Scotia Department of Environment Standards and Guidelines Manual For The Collection, Treatment and Disposal of Sanitary Sewage; the Alberta Environmental Protection Standards and Guidelines For Municipal Waterworks, Wastewater and Storm Drainage Systems; the Atlantic Canada Standards and Guidelines Manual For The Collection, Treatment and Disposal of Sanitary Sewage; the Great Lakes-Upper Mississippi River Board of State Public Health & Environmental Managers Recommended Standards For Water Works and the Recommended Standards For Wastewater Facilities; the Government of Newfoundland and Labrador Municipal Water, Sewer and Road Specifications, and et al. We also provided the earlier draft of the document to appropriate government departments, municipal staff, builders and contractors, and consultants, for their review and comments. The review comments have improved the quality of the document and reviewer's contribution is very much appreciated.

I would like to extend special thanks to Deneen Spracklin for coordinating the overall completion of this project. I would also like to take this opportunity to acknowledge the work of Ron Goulding, Herbert Card, Erik Neilson and Chris Blanchard in revising and re-writing the various sections of this document, and thank them for the excellent contribution during numerous project meetings.

The previous version of this document was shared with the Water Resources Management Division, Department of Municipal Affairs, Department of Government Services, and Consulting Engineers. The staff of these agencies provided valuable comments which have been incorporated in this version.

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