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CHAPTER 1 INTRODUCTION

1.1 PURPOSE OF THE MSD DESIGN MANUAL

This MSD Design Manual is a guide for the planning and design of stormwater systems, flood protection works, sanitary sewers, erosion control structures, small sanitary pump stations, small wastewater treatment plants and associated activities for the Louisville and Jefferson County Metropolitan Sewer District. The guidelines and general design procedures are in this manual and are approved by the MSD Board.

This Manual:

- a. Enumerates design standards that have been authorized by the MSD Board and/or KRS 76 to facilitate MSD's compliance with local, state and federal regulations.
- b. Identifies submittal requirements and procedures for the review of infrastructure projects within the MSD service area.
- c. Serves as a reference document for professional consultants in the design of infrastructure projects within the MSD service area.

1.2 DESCRIPTION AND USE OF THE MSD DESIGN MANUAL

The Manual identifies a single set of standards, submittal requirements and approval procedures to be used in the planning and design of projects within the MSD service area.

This Manual is not intended to serve as a step-by-step design methodology nor can this Manual address every situation, which may arise. The application of sound engineering/surveying principles and judgment combined with the information contained herein are necessary to complete the planning, design, and preparation of related construction documents for stormwater, sanitary sewer, and/or wastewater projects.

Approval of plans by MSD shall not relieve the designer or developer from required compliance with the provisions of this manual unless a written variance is received from MSD.

1.3 STRUCTURE OF THE MSD DESIGN MANUAL

The Manual contains 18 chapters. A general table of contents is found at the beginning of the Manual. To facilitate use of the Manual, a detailed table of contents can be found at the beginning of each chapter for text and exhibits.

The Manual is structured as follows:

- a. Chapters 2 and 3 describe MSD's general planning and design approach, required submittals and approval procedures.
- b. Chapters 4 through 7 detail MSD standards regarding drafting (manual and computer-aided), construction drawings, record drawings, surveying and easement documents.
- c. Chapters 8 through 14 relate to the specific design of sanitary sewers, stormwater systems, erosion control structures, native revegetation, and tree preservation.
- d. Chapters 15 and 18 relate to small pump stations, small wastewater treatment plants, odor control, and geotechnical procedures.

1.4 MSD Web Page

The MSD Web Page can be accessed at <http://www.msdlouky.org>. MSD recognizes the unlimited possibilities associated with the Internet and has begun placing many of the submittal forms, checklists, and design requirements referenced in this manual on the web page.

The Internet is a rapidly developing tool. MSD and many other agencies are currently facing the dilemma of maintaining both hardcopy and digital reference sources. In the interim, designers should be aware of the new resource and periodically visit the MSD website for updates and additional guidance.

1.5 UPDATES TO THE MSD DESIGN MANUAL

The Manual is intended to be a dynamic document. As design criteria and technology evolve, the Manual will require revisions and improvements. As changes are made, supplements or revisions will be sent to registered holders of the Manual. It will be each holder's responsibility to maintain a current Manual. As noted in the previous section, in some cases it may be determined more practical to utilize the MSD Web Page to provide policy updates. This is an evolving area where MSD will be evaluating options.

In the current edition of the manual, several exhibits have been removed. In place of revisions, reference has been made to the Web Page.

Comments and suggestions concerning the content and format are welcomed from the users of the Manual. Exhibit 1-1 may be used for this purpose.



MSD

Louisville and Jefferson County
Metropolitan Sewer District

EXHIBIT 1-1
MSD DESIGN MANUAL
COMMENT FORM

EFFECTIVE DATE: JANUARY 1, 2001

MSD DESIGN MANUAL COMMENT FORM

FROM: Name: _____ Date: _____

Company: _____

Street: _____

City: _____ State: _____ Zip: _____

The Louisville and Jefferson County Metropolitan Sewer District is most interested in your comments regarding this MSD Design Manual. Please indicate your responses below and return this form to us.

1. List any specific errors detected (with page numbers): _____

2. List any recommended revisions for future editions: _____

3. List any general comments: _____

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