

1 OBJECTIVES

1.1 Introduction

The Stormwater and Subsoil Drainage O&M Manual is intended to serve as a guide to strengthening the technical, operational and managerial capabilities of the concerned personnel and organizations who are responsible for the operation and maintenance of the stormwater and subsoil drainage systems within DMAT jurisdiction.

The Manual seeks to ensure operation and maintenance practices are delivered in accordance with acceptable norms of quantity, quality, sustainability, reliability and be cost effective within established budget constraints as well as good industry practices.

This manual is one of four volumes relating to the design, construction, operation and maintenance of storm water and sub-soil drainage systems in Abu Dhabi:

- Volume 1 – Design Manual
- Volume 2 – Standard Drawings
- Volume 3 –Operation and Maintenance Manual
- Volume 4 –Standard Specifications

These documents are interdependent and shall be read and applied as a single entity.

1.2 Use of the Manual

It is intended that the Manual is used by concerned personnel and organizations who are responsible for the operation and maintenance of the stormwater and subsoil drainage systems and by the Internal Roads and Infrastructure Department (DMAT) of the Emirate of Abu Dhabi who are responsible for ensuring a proper service is provided to all stakeholders.

The Manual is also intended to ensure uniformity of approach and consistency in the technical standards to be adopted by the various parties involved. Where applicable, Contractors who perform the O&M will be experienced professionals, specializing in the field of storm water network operation and maintenance and be capable of producing work to the highest international standards. This Manual covers aspects of O&M that are of specific relevance to the current situation of the stormwater network in Abu Dhabi City. The current Abu Dhabi City Stormwater and Subsoil Drainage operation and maintenance organization is shown in Figure 1.1.