

1. OBJECTIVES

1.1. Introduction

The purpose of this Design Manual is to identify the requirements for the design of storm water and sub-soil drainage projects arising from municipal development in Emirate of Abu Dhabi.

The Manual limits the use of detailed design theories and methods of calculation and requires that users refer to other documents as necessary. A list of principle reference documents is shown at the end of the Manual.

In addition to rain water run-off from developed areas, including side roads and paved areas and overland flow from open areas, the municipal storm water network may also receive run-off from main highways.

This Manual is one of four volumes relating to the design, construction, operation and maintenance of storm water and sub-soil drainage systems for Municipal controlled roads and developments in Emirate of 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.

Engineers and other disciplines using this Manual must be experienced and appropriately qualified professionals who are familiar with the planning, design, construction, operation and maintenance of drainage networks.

Compliance with the Manual does not absolve users of their professional and contractual responsibilities.

Where a Developer or other party believes that a change to the Manual may be advantageous for a particular project, the written approval of DMAT shall be sought. Supporting documentation shall be submitted to DMAT in sufficient detail to allow the proposal to be appraised. A copy of DMAT's approval letter to be part of any submittal.

Where reference is made to the 'Developer' this also includes all his professional advisers.

It should be noted that the design of foul sewer systems is not covered by this Manual.

1.2. Approvals Process

Any design submittal shall be by a qualified Consultant. The Consultant shall submit his proposals for the site layout and associated surface water and sub-soil drainage to DMAT in the stages and level of detail set out in Section 8. This section also describes the requirements for the submission of reports, calculations, drawings and other documents for approval.

The Developer shall note that following completion of construction there are further stages to be completed to the satisfaction of DMAT before the new works can be accepted by DMAT and ultimately taken over. It should be noted that DMAT design approval does not guarantee taking over of assets