**INTRODUCTION**

**1.1 Purpose**

This set of Generic Detail Requirements has been developed to assist with the presentation of design and construction information for stream restoration in the Charlotte-Mecklenburg area. They are intended to provide guidance to:

* Those responsible for reviewing and implementing stream restoration for the City of Charlotte,
* Engineers responsible for the design of stream restoration projects,
* Others involved in stream restoration at various levels who may find the details useful as a technical reference to define and illustrate stream restoration and related techniques.

The Generic Detail Requirements are intended to define the minimum information required by the City of Charlotte to be included in the contract documents (details, specifications, plans, etc). Information related to a technique shown as a Generic Detail Requirement may be presented in detail drawings included as part of a plan set or elsewhere in the contract documents at the designer’s discretion. Engineering designs and details other than those presented may be used.

**1.2 Contents**

The Generic Detail Requirements are presented as a set of figures grouped as follows:

* Section 1 Stream Bank Stabilization/Protection
* Section 2 In-Stream Structures
* Section 3 Stream Incidentals

Each figure contains illustrations, notes, tables and/or photos to describe the work and the information the City requires.

**1.3 Limitations**

The Generic Detail Requirements were developed from a compilation of Charlotte-Mecklenburg Storm Water Services’ and other design details relevant to stream restoration. These figures are only meant to define the minimum information required by the City of Charlotte to be included in the contract documents for each type of technique. The figures are not meant to represent a standard design method for any type of technique nor shall they be used as such. The Generic Detail Requirements neither replace the need for site-specific engineering designs nor preclude the use of information not presented.

**1.4 Updating**

These details may be updated and revised to reflect up-to-date engineering practices and information applicable to the Charlotte-Mecklenburg area.